



SITE INFORMATION

Closure Report
Norman B (07.31.2024)
Incident ID: NAPP2421427061
Lea County, New Mexico
Unit P Sec 07 T20S R34E
32.580861°, -103.591917°

Point of Release: Seal failure on pump
Release Date: 07.31.2024
Volume Released: 185 Barrels of Produced Water
Volume Recovered: 185 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Delek Logistics Company
305 N. Washington
El Dorado, Arkansas 71730

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



TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 SITE ASSESSMENT ACTIVITIES

5.0 CONCLUSIONS

FIGURES

FIGURE 1 OVERVIEW FIGURE 2 TOPOGRAPHIC

FIGURE 3 SAMPLE LOCATION

APPENDICES

APPENDIX A TABLES

APPENDIX B PHOTOS

APPENDIX C N.O.R. AND FINAL C-141/NMOCD CORRESPONDENCE

APPENDIX D SITE CHARACTERIZATION AND GROUNDWATER

APPENDIX E LABORATORY REPORTS



December 10, 2024

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

Re: Closure Report
Norman B (07.31.2024)
Incident ID: NAPP2421427061
Delek Logistics Companies
Site Location: Unit P, S07, T20S, R34E
(Lat 32.580861°, Long -103.591917°)
Lea County, New Mexico

To whom it may concern:

On behalf of Delek Logistics Companies (Delek), Carmona Resources, LLC has prepared this letter to document site activities for the Norman B release. The site is located at 32.580861°, -103.591917° within Unit P, S07, T20S, R34E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notice of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on July 31, 2024, caused by a seal failure on a pump at the booster station. It resulted in approximately one hundred eighty-five (185) barrels of produced water, with one hundred eighty-five (185) barrels of produced water recovered. The release was contained on the booster station caliche pad. Refer to Figure 3 for a spill overview. The Notice of Release form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. On November 21, 2024, Carmona Resources installed a groundwater determination bore located approximately 0.04 miles Northwest of the release area in S07, T20S, R34E. The bore indicated no signs of water at a depth of 105 feet below ground surface (ft bgs) when it was gauged on November 26, 2024. A copy of the groundwater determination bore log is attached in Appendix D.

On October 29, 2024, prior to the groundwater determination bore being installed, Carmona Resources, LLC requested an extension for the closure report due date because of a delay in permitting the groundwater determination bore with the New Mexico Office of the State Engineer. The extension request was granted for a new closure report date of January 27, 2025. A copy of the correspondence is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 20,000 mg/kg.



4.0 Site Assessment Activities

On August 2, 2024, Carmona Resources performed site assessment activities to evaluate horizontal soil impacts. To assess the horizontal extent, ten (10) horizontal sample points (H-1 through H-10) were advanced to depths ranging from the surface to 1' bgs outside of the area of concern. 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. Refer to Table 1. See Figure 3 for the sample locations.

On August 7, 2024, Carmona Resources returned to the site to perform site assessment activities to evaluate vertical soil impacts. To assess the vertical extent, eleven (11) sample points (S-1 through S-11) were advanced to depths ranging from the surface to 5' bgs inside the area of concern. Prior to collecting vertical assessment samples, the NMOCD division office was notified via NMOCD portal on August 4, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C for sampling notification. 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.

On December 5, 2024, NMOCD rejected the closure report due to concerns of the spill flowing outside of the pad. Carmona Resources returned to the site to further assess and collect three (3) additional horizontal samples (H-11 through H-13) to verify that the spill stayed within the pad. Prior to collecting the additional samples, Carmona Resources requested and was granted a variance to conduct same-day sampling. The notification and variance request are attached to Appendix C. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. Refer to Table 1. See Figure 3 for the sample locations.

5.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. The final C-141 is attached, and Delek formally requests the spill's closure. The release area will be fully remediated and reclaimed in accordance to NMAC 19.15.29.13 when the site is plugged and abandoned. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

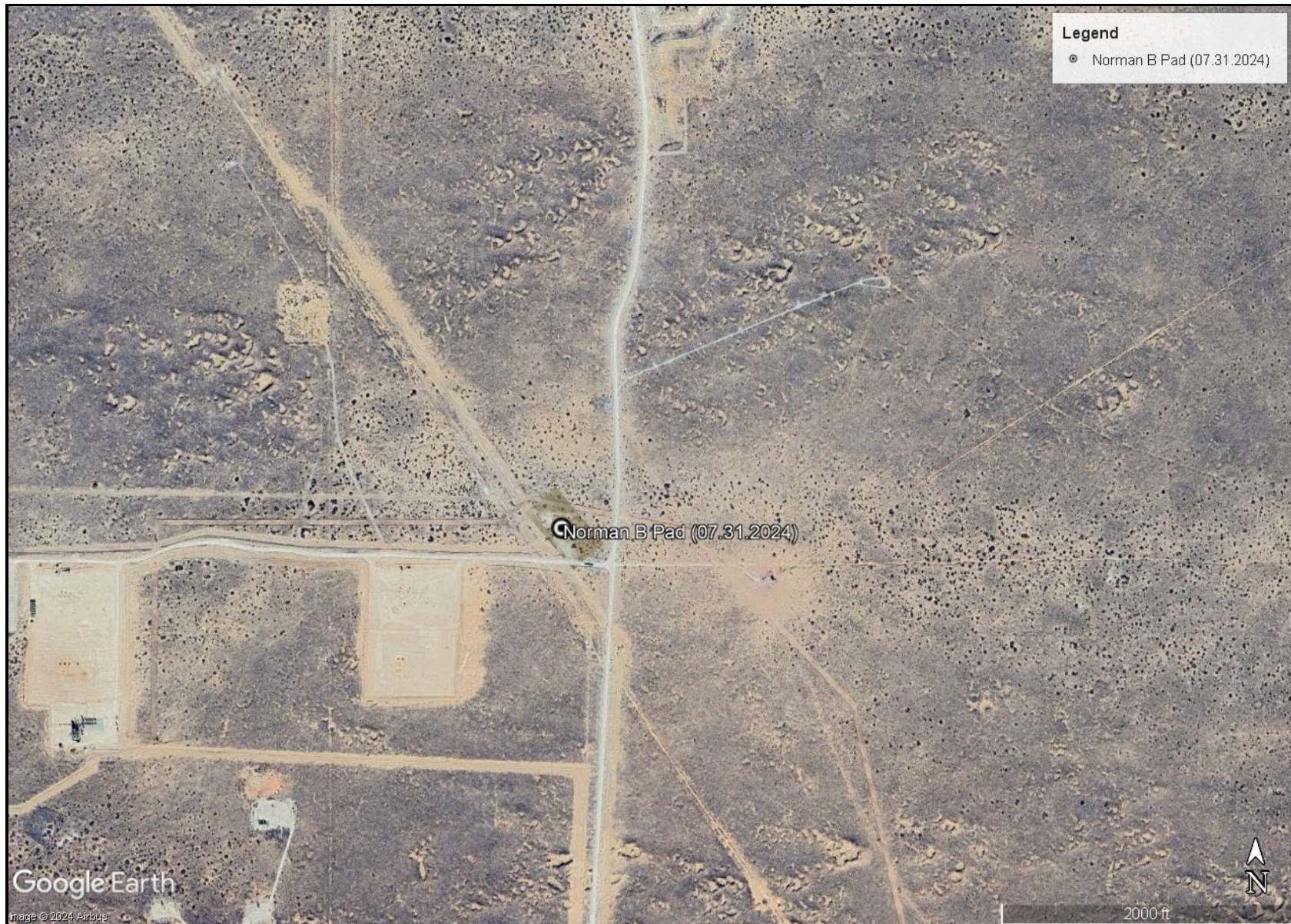
Ashton Thielke
Environmental Manager

Gilbert Priego Jr.
Project Manager

FIGURES

CARMONA RESOURCES

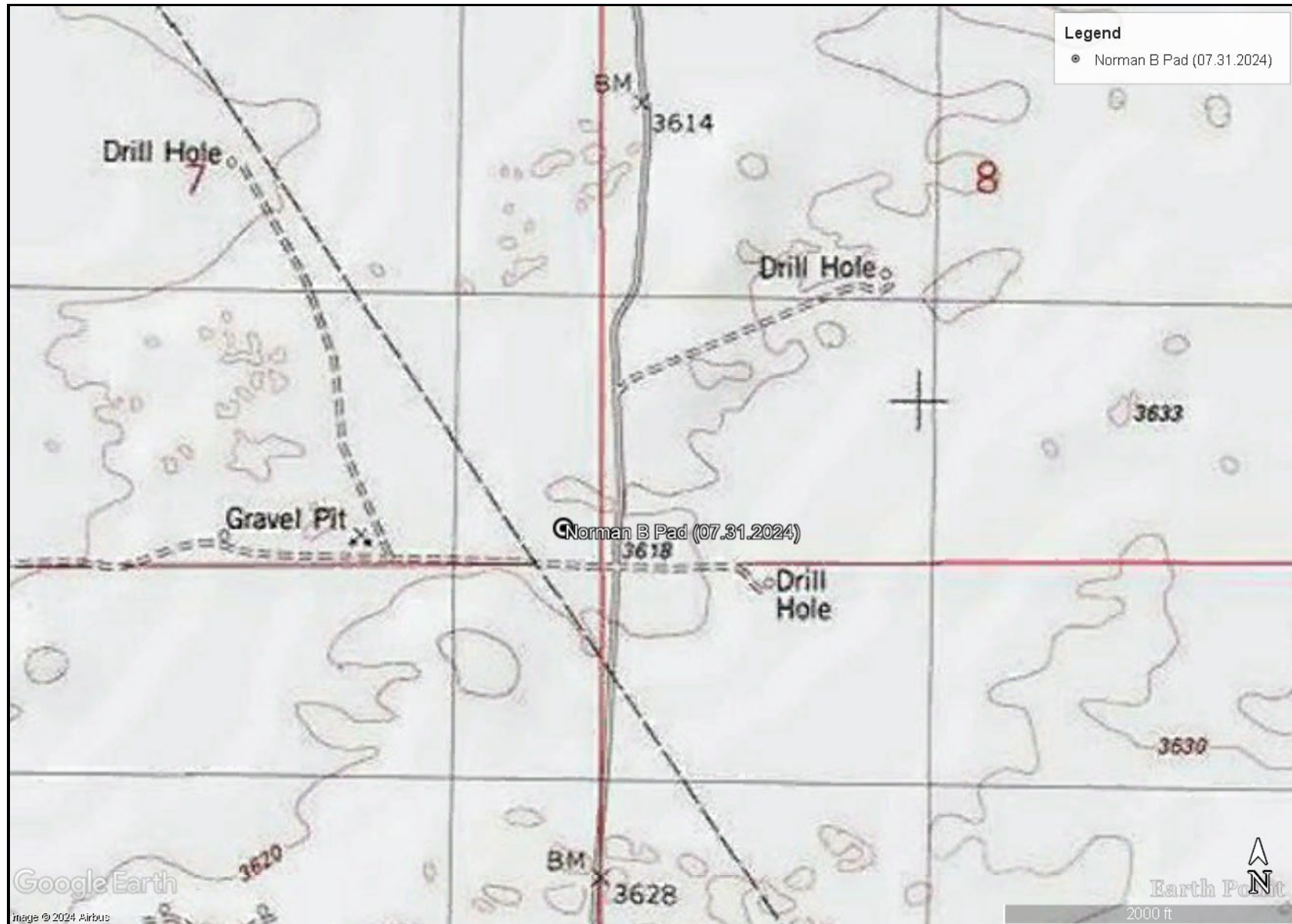




OVERVIEW MAP
DELEK LOGISTICS COMPANY
NORMAN B (07.31.2024)
LEA COUNTY, NEW MEXICO
32.580861°, -103.591917°



FIGURE 1



TOPOGRAPHIC MAP
DELEK LOGISTICS COMPANY
NORMAN B (07.31.2024)
LEA COUNTY, NEW MEXICO
32.580861°, -103.591917°



FIGURE 2



SAMPLE LOCATION MAP
 DELEK LOGISTICS COMPANY
 NORMAN B (07.31.2024)
 LEA COUNTY, NEW MEXICO
 32.580861°, -103.591917°



FIGURE 3

APPENDIX A

CARMONA RESOURCES



Table 1
Delek Logistics Companies
Norman B (07.31.2024)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	8/7/2024	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	387
	"	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	102
	"	2.0'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	20.9
	"	3.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	34.7
S-2	8/7/2024	0-1'	<50.0	572	<50.0	572	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<5.05
	"	1.5'	<49.8	51.4	<49.8	51.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	24.7
	"	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	724
	"	3.0'	<49.8	96.3	<49.8	96.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	127
	"	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	41.7
S-3	8/7/2024	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	4,420
	"	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,140
	"	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	36.2
	"	3.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	44.8
	"	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	62.5
S-4	8/7/2024	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	2,480
	"	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	2,310
	"	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	3,840
	"	3.0'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,940
	"	4.0'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	2,550
	"	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	77.6
S-5	8/7/2024	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	3,540
	"	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	655
	"	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	239
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	282
	"	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	31.8
S-6	8/7/2024	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	8,620
	"	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,150
	"	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	0.00439	0.00439	65.4
Regulatory Criteria^A			1,000 mg/kg		-	2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	20,000 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

Table 1
Delek Logistics Companies
Norman B (07.31.2024)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-7	8/7/2024	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	823
	"	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	123
	"	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	36.5
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	36.8
	"	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	45.5
	"	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	120
S-8	8/7/2024	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	663
	"	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	167
	"	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	51.5
	"	3.0'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	89.1
	"	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	89.6
S-9	8/7/2024	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,880
	"	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	202
	"	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	68.5
	"	3.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	44.7
	"	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	101
	"	5.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	37.8
S-10	8/7/2024	0-1'	<49.8	92.6	<49.8	92.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	6,210
	"	1.5'	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,520
	"	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	300
	"	3.0'	<49.5	<49.5	<49.5	<49.5	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	46.7
	"	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	38.4
	"	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	138
S-11	8/7/2024	0-1'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3,090
	"	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	3,420
	"	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,930
	"	3.0'	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	7.43
	"	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	77.4
	"	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	55.2
Regulatory Criteria ^A			1,000 mg/kg	-	2,500 mg/kg	10 mg/kg	-	-	-	-	50 mg/kg	20,000 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

Table 1
Delek Logistics Companies
Norman B (07.31.2024)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	8/2/2024	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	224
H-2	8/2/2024	0-1'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	323
H-3	8/2/2024	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	180
H-4	8/2/2024	0-1'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	54.2
H-5	8/2/2024	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	185
H-6	8/2/2024	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	140
H-7	8/2/2024	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	285
H-8	8/2/2024	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	203
H-9	8/2/2024	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	339
H-10	8/2/2024	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	372
H-11	12/5/2024	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	65.6
H-12	12/5/2024	0-1'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	70.5
H-13	12/5/2024	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	114
Regulatory Criteria^A			1,000 mg/kg		-	2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	20,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(H) Horizontal Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph No. 1

Facility: Norman B (07.31.2024)

County: Lea County, New Mexico

Description:

View North, area of S-1 through S-9.



Photograph No. 2

Facility: Norman B (07.31.2024)

County: Lea County, New Mexico

Description:

View Northeast, area of S-1 through S-9.



Photograph No. 3

Facility: Norman B (07.31.2024)

County: Lea County, New Mexico

Description:

View Northeast, area of S-1 through S-9.



PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph No. 4

Facility: Norman B (07.31.2024)

County: Lea County, New Mexico

Description:

View Southeast, area of S-9 through S-11.



Photograph No. 5

Facility: Norman B (07.31.2024)

County: Lea County, New Mexico

Description:

View East, area of S-9 and S-10.



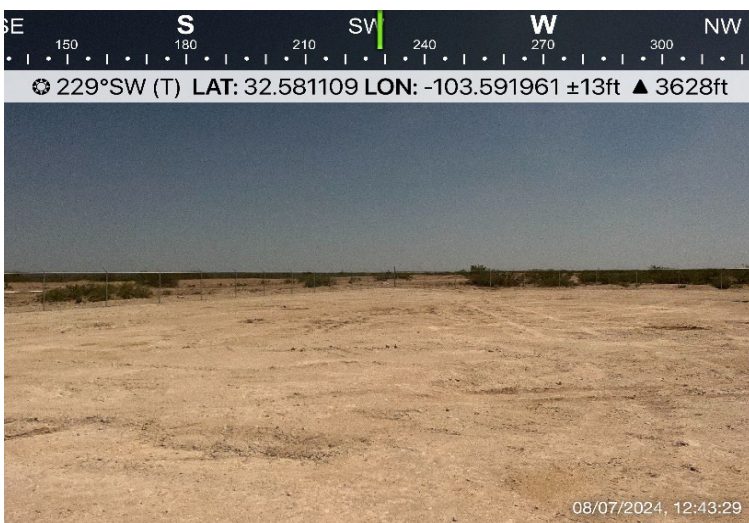
Photograph No. 6

Facility: Norman B (07.31.2024)

County: Lea County, New Mexico

Description:

View Southwest, area of S-5.



PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph No. 7

Facility: Norman B (07.31.2024)

County: Lea County, New Mexico

Description:

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



Photograph No. 8

Facility: Norman B (07.31.2024)

County: Lea County, New Mexico

Description:

View Northwest, area of S-1 through S-9.



Photograph No. 9

Facility: Norman B (07.31.2024)

County: Lea County, New Mexico

Description:

View North, area of S-1 through S-9.



PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph No. 10

Facility: Norman B (07.31.2024)

County: Lea County, New Mexico

Description:

View Northeast, area of S-9 through S-11.



Photograph No. 11

Facility: Norman B (07.31.2024)

County: Lea County, New Mexico

Description:

View Southeast, Drilling of Groundwater Determination Bore to 105'.



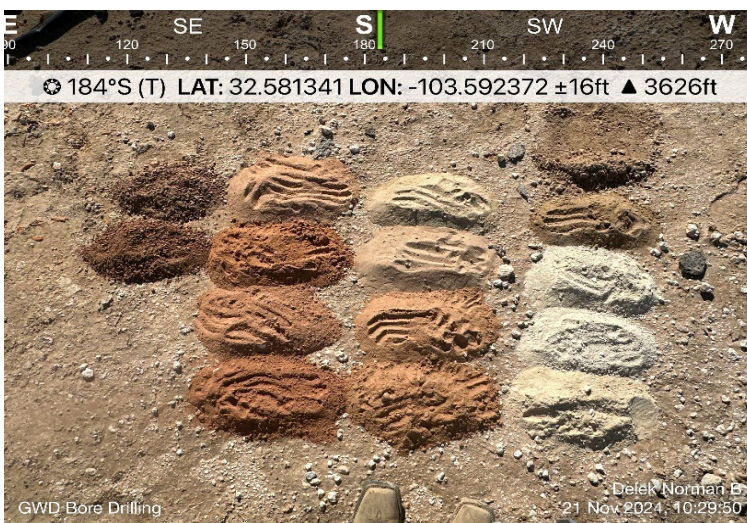
Photograph No. 12

Facility: Norman B (07.31.2024)

County: Lea County, New Mexico

Description:

View of drill cuttings while drilling the Groundwater Determination Bore.

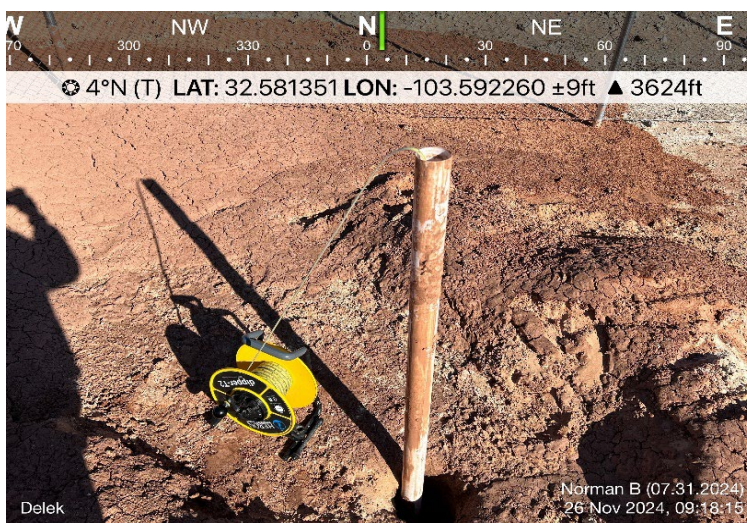


PHOTOGRAPHIC LOG**Delek Logistics Company****Photograph No. 13****Facility:** Norman B (07.31.2024)**County:** Lea County, New Mexico**Description:**

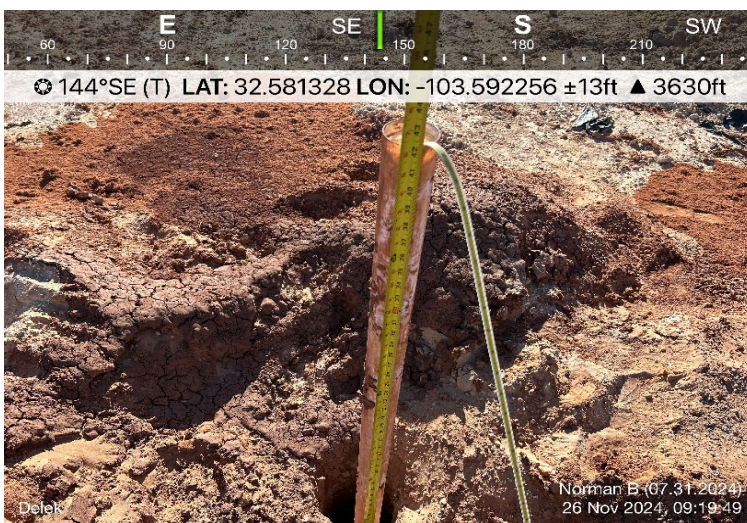
View of the temporary well casing and recent gauging event.

**Photograph No. 14****Facility:** Norman B (07.31.2024)**County:** Lea County, New Mexico**Description:**

View North, Groundwater Determination Bore with water level meter.

**Photograph No. 15****Facility:** Norman B (07.31.2024)**County:** Lea County, New Mexico**Description:**

View North, Groundwater Determination Bore with water level meter and tape measure to measure distance casing sticks above the surface. (~105' of casing below surface with no signs of moisture)

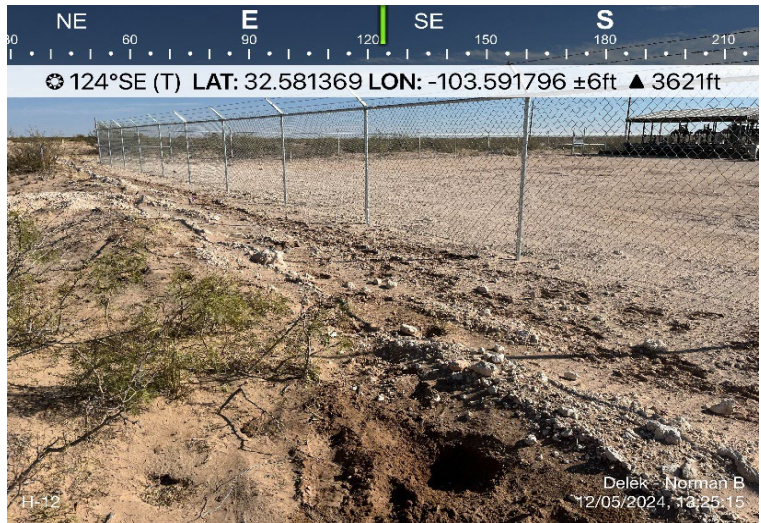


PHOTOGRAPHIC LOG**Delek Logistics Company****Photograph No. 16****Facility:** Norman B (07.31.2024)**County:** Lea County, New Mexico**Description:**

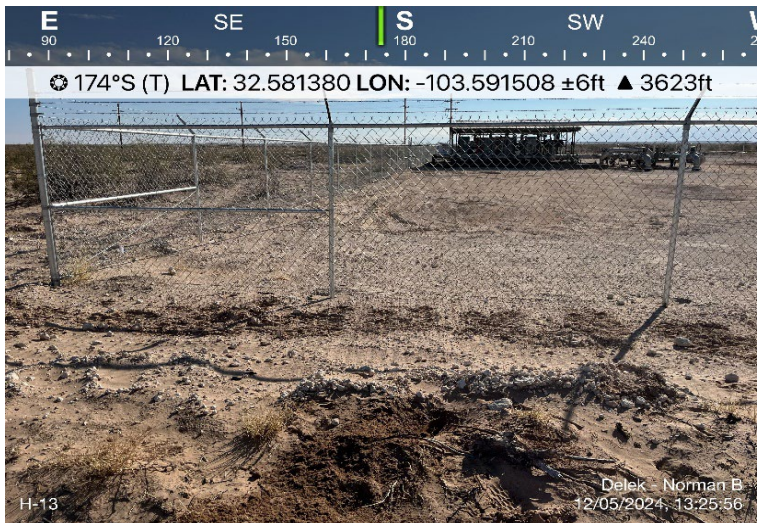
View South, area of H-11.

**Photograph No. 17****Facility:** Norman B (07.31.2024)**County:** Lea County, New Mexico**Description:**

View Southeast, area of H-12.

**Photograph No. 18****Facility:** Norman B (07.31.2024)**County:** Lea County, New Mexico**Description:**

View South, area of H-13.



APPENDIX C

CARMONA RESOURCES



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

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

QUESTIONS

Action 369198

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 12700 Park Central Dr., Ste. 7 Dallas, TX 75251	OGRID: 330291
	Action Number: 369198
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Norman B
Date Release Discovered	07/31/2024
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: Equipment Failure Other (Specify) Produced Water Released: 185 BBL Recovered: 185 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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)	Seal, failure on pump

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QUESTIONS, Page 2

Action 369198

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 12700 Park Central Dr., Ste. 7 Dallas, TX 75251	OGRID: 330291
	Action Number: 369198
	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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Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 369198

ACKNOWLEDGMENTS

Operator: DKL Energy - Cottonwood, LLC 12700 Park Central Dr., Ste. 7 Dallas, TX 75251	OGRID: 330291
	Action Number: 369198
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☒	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
☒	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.
☒	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.
☒	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.
☒	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.
☒	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 369198

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 12700 Park Central Dr., Ste. 7 Dallas, TX 75251	OGRID: 330291
	Action Number: 369198
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
cassiewhitefield	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	8/1/2024

8:15



< SVC-Pro

Saturated Soil Calculation

Norman B (07.31.2024)

L(Ft) W(Ft) D(In) Oil %

205 124 3.5 0



Soil Definitions ▶▶



SOIL TYPE FACTOR

0.08 0.14 0.16 | 0.25 | 0.15

H2O Spill Total: 184.86 Bbls

Oil Spill Total: 0.00 Bbls

Total Spilled: 184.86 Bbls

Total Spilled: 7,764.12 Gals

Screenshot for future reference!

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Santa Fe, NM 87505

QUESTIONS

Action 370195

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 12700 Park Central Dr., Ste. 7 Dallas, TX 75251	OGRID: 330291
	Action Number: 370195
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2421427061
Incident Name	NAPP2421427061 NORMAN B @ 0
Incident Type	Produced Water Release
Incident Status	Notification Accepted

Location of Release Source	
Site Name	Norman B
Date Release Discovered	07/31/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	25,000
What is the estimated number of samples that will be gathered	11
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/07/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Sampler contact Gilbert Priego- 432-813-7389 Coordinates (32.580861, -103.591917) Carmona resources will be onsite to collect site assessment samples
Please provide any information necessary for navigation to sampling site	Contact Gilbert Priego

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CONDITIONS

Action 370195

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 12700 Park Central Dr., Ste. 7 Dallas, TX 75251	OGRID: 330291
	Action Number: 370195
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
cassiewhitefield	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.	8/4/2024

Ashton Thielke

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, October 29, 2024 10:50 AM
To: Ashton Thielke
Cc: cassie.whitefield@deleklogistics.com; Bratcher, Michael, EMNRD; Mike Carmona; camorgan@blm.gov
Subject: RE: [EXTERNAL] FW: NAPP2421427061 - Delek - NORMAN B (07/31/2024) - Groundwater Variance

Hi Ashton,

Thanks for getting the initial C-141 submitted immediately. The extension request for NAPP2421427061 NORMAN B is approved. The new due date to submit your remediation plan or closure report to the OCD is January 27, 2025. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Ashton Thielke <ThielkeA@carmonaresources.com>
Sent: Tuesday, October 29, 2024 9:41 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: cassie.whitefield@deleklogistics.com; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Mike Carmona <Mcarmona@carmonaresources.com>; camorgan@blm.gov
Subject: RE: [EXTERNAL] FW: NAPP2421427061 - Delek - NORMAN B (07/31/2024) - Groundwater Variance

Good afternoon Shelly,

The initial C-141 has now been submitted, thank you for assisting on that issue!
On behalf of Delek Logistics, We are requesting a 90-day extension to drill a 105' groundwater determination bore onsite.

Attached is the BLM Sundry Form for the 105' GWDB to be drilled onsite that has since been approved by the BLM on October 22, 2024.

This has since been mailed to the NMOSE but they historically have taken a few weeks to get back with us on approvals.

This site has been completed delineated and once the GWDB has been drilled, a closure report will be submitted immediately.

Please let myself or Cassie Whitefield know if you have any questions.

Thanks!

Ashton Thielke
Environmental Manager
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-8988 C: 281-753-5659
ThielkeA@carmonaresources.com
[Environmental Consulting Firm - Carmona Resources](#)

CARMONA RESOURCES



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Friday, August 2, 2024 10:44 AM
To: Ashton Thielke <ThielkeA@carmonaresources.com>
Cc: cassie.whitefield@deleklogistics.com; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Mike Carmona <Mcarmona@carmonaresources.com>
Subject: RE: [EXTERNAL] FW: NAPP2421427061 - Delek - NORMAN B (07/31/2024) - Groundwater Variance

Good morning Ashton,

The 2019 document titled "Procedures for Implementation of the Spill Rule (19.15.29 NMAC) has been replaced by the 12/1/2023 document "Public Notice Implementation of Digital C-141 and Incident Statuses. As the only well within a half mile radius of this release location was drilled in 1990 and other data provided is well outside the half mile radius, the OCD will not grant a variance in this situation. Depth to groundwater will need to be proven by Delek Logistics adhering to the guidance provided in the Public Notice or you can choose to remediate the site to the most stringent Table I standards.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Ashton Thielke <ThielkeA@carmonaresources.com>
Sent: Thursday, August 1, 2024 2:23 PM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: cassie.whitefield@deleklogistics.com; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Mike Carmona

<Mcarmona@carmonaresources.com>

Subject: [EXTERNAL] FW: NAPP2421427061 - Delek - NORMAN B (07/31/2024) - Groundwater Variance

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Attached is a site map from today's drone photos overlaid on top of Google Earth to show off current site conditions since this site is so new.

Thanks!

Ashton Thielke
Senior Project Manager
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-8988 C: 281-753-5659
ThielkeA@carmonaresources.com
[Environmental Consulting Firm - Carmona Resources](#)

CARMONA RESOURCES



From: Ashton Thielke

Sent: Thursday, August 1, 2024 10:21 AM

To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; cassie.whitefield@deleklogistics.com

Subject: NAPP2421427061 - Delek - NORMAN B (07/31/2024) - Groundwater Variance

Good morning Shelly & Mike,

I am reaching out to you on behalf of Delek Logistics on a recent release that occurred entirely on a well pad. All free-standing fluids have been removed and repairs are being made.

I am requesting a variance to section IX "Determining Depth to Groundwater" of the 2019 document titled "Procedures for Implementation of the Spill Rule (19.15.29 NMAC)". (Attached)

I would like to reference "...If nearby wells are used, it is preferable if they are situated within ½-mile of the release, the water level information is no more than 25 years old, and well construction information is provided."

Attached is groundwater research I conducted in the area of the site, where multiple water wells and dry holes were discovered.

In the attached groundwater research, you will notice that surrounding the entire spill area contains water well data with groundwater between 112' – 320'.

Next to the spill area, ~0.31 miles away, shows a water well (dry hole) that was drilled to 320' in 1990 with no presence of groundwater. (see pages 4 & 5 for well log data)

Additionally, this site is **not** located in a high karst environment and the nearest water feature, river, playa, etc are all greater than 1 mile away.

Due to the close proximity of this dry "water well", lithology of the well bore, depths of nearby well bores, the release being contained on the newly constructed caliche well pad, and other environmental factors, Delek

Logistics would like to proceed with closure of this site using the closure criteria found on Table 1 of NMAC 19.15.29, to reflect groundwater at >100 feet.

Upon a NM811 (one call) being "cleared", a full site assessment will be conducted to vertically and horizontally delineate the spill area. Additionally, drone photos are currently being taken to provide current site conditions since all imagery available online have not been updated to show a well pad and facility at this location.

Please give me a call if you have any questions.

Thanks!

Ashton Thielke
Senior Project Manager
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-8988 C: 281-753-5659
ThielkeA@carmonaresources.com
[Environmental Consulting Firm - Carmona Resources](#)



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 409186

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 409186
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2421427061
Incident Name	NAPP2421427061 NORMAN B @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	NORMAN B
Date Release Discovered	07/31/2024
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	300
What is the estimated number of samples that will be gathered	3
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/05/2024
Time sampling will commence	03:00 PM
 Warning: Notification can not be less than two business days prior to conducting final sampling. 	
Please provide any information necessary for observers to contact samplers	Carmona Resources - 432-813-8988
Please provide any information necessary for navigation to sampling site	32.580861,-103.591917 Horizontal Delineation samples will be collected in the pasture north of the areas of S-2 & S-6 to satisfy the most recent request by the NMOCD to prove the release did not leave the caliche pad. A 2 day sampling variance will be requested due to staff being in the area at the time. Samples collected same day of the NMOCD request.

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 409186

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 409186
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
cassiewhitefield	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.	12/5/2024

Ashton Thielke

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Thursday, December 5, 2024 4:22 PM
To: Ashton Thielke
Cc: cassie.whitefield@deleklogistics.com
Subject: RE: [EXTERNAL] FW: [External Sender] - The Oil Conservation Division (OCD) has rejected the application, Application ID: 407207

Hi Ashton,

Yes, a variance is approved to the two-business day sampling notice in order to collect the requested delineation samples today, 12/5/24, as personnel were already within the vicinity. Thank you for getting to this so quickly.

Sincerely,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Ashton Thielke <ThielkeA@carmonaresources.com>
Sent: Thursday, December 5, 2024 3:16 PM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: cassie.whitefield@deleklogistics.com
Subject: [EXTERNAL] FW: [External Sender] - The Oil Conservation Division (OCD) has rejected the application, Application ID: 407207

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Good afternoon Shelly,

Following the notification of the closure report denial message below with the request of additional samples to be collected in the pasture north of the release area and our recent phone conversation, Delek is respectfully requesting a variance to spill rule 19.15.29.12 subpart D (1)(a) requiring a 2 business day notice to conducting sampling.

As discussed over the phone, I currently have staff in the area that are able to collect additional delineation samples, as requested.

I have since submitted a C-141N to the NMOCD web portal to detail the sampling that is taking place today, December 5, 2024.

If the samples show any contamination after receiving analytical results from the lab, remediation will follow. If the samples show additional horizontal delineation, as expected, the additional horizontal delineation sample data will be added to the closure report and the closure report will be resubmitted.

A copy of this email chain will be included in the next C-141 submission.

Let me know if you have any questions!

Thanks!

Ashton Thielke
Environmental Manager
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-8988 C: 281-753-5659
ThielkeA@carmonaresources.com
[Environmental Consulting Firm - Carmona Resources](#)



From: Cassie Whitefield <Cassie.Whitefield@deleklogistics.com>
Sent: Thursday, December 5, 2024 1:19 PM
To: Ashton Thielke <ThielkeA@carmonaresources.com>
Subject: Fw: [External Sender] - The Oil Conservation Division (OCD) has rejected the application, Application ID: 407207

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From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Thursday, December 5, 2024 12:40:07 PM
To: Cassie Whitefield <Cassie.Whitefield@deleklogistics.com>
Subject: [External Sender] - The Oil Conservation Division (OCD) has rejected the application, Application ID: 407207

CAUTION: External email is NOT from a Delek domain. Please check the following before doing anything:

1. Verify sender email address.
2. Hover over the link to ensure it is coming from a legitimate source.
3. Do not open attachments or click on URL's that you are not expecting.
4. Report suspected phishing email with Phish Alert.

To whom it may concern (c/o Cassie Whitefield for DKL Energy - Cottonwood, LLC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2421427061, for the following reasons:

- **Remediation closure denied. Due to S-2 having TPH above reclamation limits and S-6 having the highest chloride concentration of any sample, OCD would like to see more delineation samples collected to the north of the pad in the pasture to ensure the release was contained on pad. Resubmit remediation closure report to the OCD by 3/5/25.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 407207.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Shelly Wells
Environmental Specialist-A
505-469-7520
Shelly.Wells@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

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IMPORTANT: In this email, the terms "Delek," "Delek Logistics," "Alon," "the Company," "the Group" OR OTHER SIMILAR USAGES may be used for convenience and refer to Delek US Holdings, Inc. and its direct and indirect subsidiaries and affiliates, each of which are separate and distinct legal entities. Further, the words "we," "us," "our," and "ourselves" are used to refer generally to the companies of Delek.

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

APPENDIX D

CARMONA RESOURCES



Groundwater Determination Bore

Delek Logistics

Legend

- 0.04 Miles
- Groundwater Determination Bore
- Norman B Pad (07.31.2024)

105' GWDB - Drilled 11.21.2024

Norman B Pad (07.31.2024)



CARMONA RESOURCES



Project Name :	Norman B	Date :	Thursday, November 21, 2024
Project No. :	2487	Sampler :	Ivan Ramos
Location :	Lea County, New Mexico		
Coordinates :	32.581299, -103.592203	Driller :	H&R Enterprises, LLC
Elevation :	3624 feet	Method :	Air Rotary

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		(0') - Brown, moderately cemented, small to medium subangular gravel with 45% fine, silty soft, loose sand. Dry, no odor, no organics (SW).		50		(50') - Red, poorly cemented, small, well rounded sandstone nodules with 99% fine, silty soft, loose sand. Dry, no odor, no organics (SC).	
5		(5') - Light brown, poorly cemented, small to medium, subangular sandstone nodules with 75% fine, silty soft, loose sand. Dry, no odor, no organics (SM).		55		(55') - Pale red, poorly cemented, small, subrounded sandstone nodules with 90% fine, silty soft, very loose sand. Dry, no odor, no organics (SC).	
10		(10') - White, moderately cemented, small to medium, subrounded sandstone nodules with 70% fine, silty soft, loose sand. Dry, no odor, no organics (SM).		60		(60') - Red, poorly cemented, small, well rounded sandstone nodules with 90% fine, silty soft, loose sand. Dry, no odor, no organics (SC).	
15		(15') - White, moderately cemented, small to medium, subrounded sandstone nodules with 45% fine, silty soft, loose sand. Dry, no odor, no organics (SM).		65		(65') - Reddish brown, medium stiff, small to medium, subangular claystone cuttings/nodules with 20% fine, silty soft, clayey sand. Dry, no odor, no organics (ML).	
20		(20') - Tan, moderately cemented, small to medium, subangular sandstone nodules with 60% fine, silty soft, very loose sand. Dry, no odor, no organics (SM).		70		(70') - Reddish brown, medium stiff, small to medium, subangular claystone cuttings/nodules with 20% fine, silty soft, clayey sand. Dry, no odor, no organics (ML).	
25		(25') - Yellowish tan, poorly cemented, small, subangular sandstone nodules with 98% fine, silty soft, very loose sand. Dry, no odor, no organics (ML).		75		(75') - Pale red, medium stiff, small to medium, subangular claystone cuttings/nodules with 80% fine, silty soft, clayey sand. Dry, no odor, no organics (SC).	
30		(30') - Light brown, poorly cemented, small, subrounded sandstone nodules with 98% fine, silty soft, very loose sand. Dry, no odor, no organics (ML).		80		(80') - Pale red, medium stiff, small to medium, subangular claystone cuttings/nodules with 85% fine, silty soft, clayey sand. Dry, no odor, no organics (SC).	
35		(35') - Pale red, poorly cemented, small, subrounded sandstone nodules with 99% fine, silty soft, very loose sand. Dry, no odor, no organics (ML).		85		(85') - Pale red, medium stiff, small to medium, subangular claystone cuttings/nodules with 90% fine, silty soft, clayey sand. Dry, no odor, no organics (SC).	
40		(40') - Pale red, moderately cemented, medium, subrounded sandstone nodules with 95% fine, silty soft, loose sand. Dry, no odor, no organics (SM).		90		(90') - Reddish brown, medium stiff, small to medium, subangular claystone cuttings/nodules with 95% fine, silty soft clay. Dry, no odor, no organics (CL).	
45		(45') - Pale red, poorly cemented, small, well rounded sandstone nodules with 99% fine, silty soft, very loose sand. Dry, no odor, no organics (SC).		95		(95') - Reddish brown, medium stiff, small to medium, subangular claystone cuttings/nodules with 99% fine, silty soft clay. Dry, no odor, no organics (CL).	
50				100		(100' - 105') - Brown, medium stiff, small to medium, subangular claystone cuttings/nodules with 99% fine, silty soft clay. Dry, no odor, no organics (CL).	

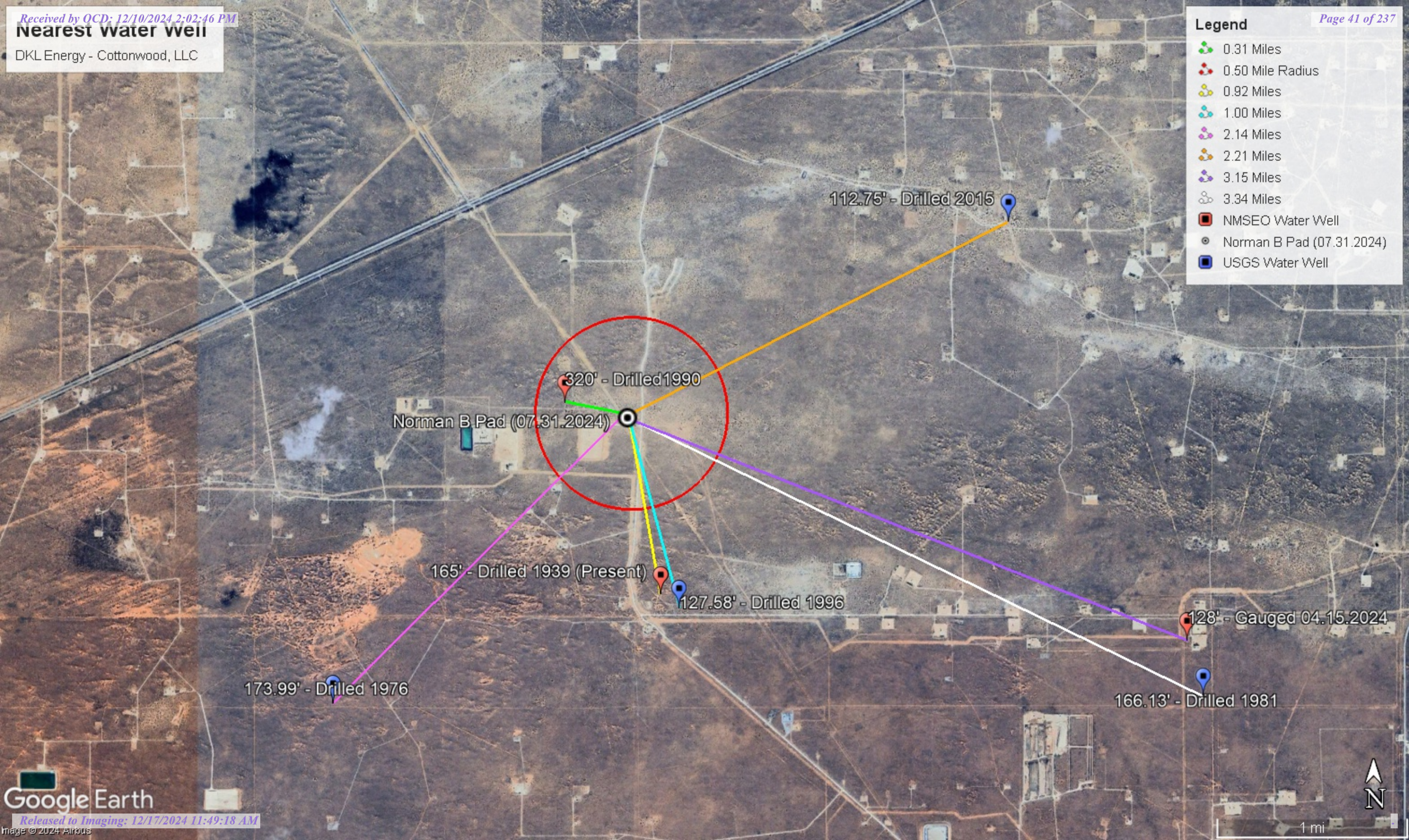
Comments : (11/21/24) Boring terminated at 105' bgs at 11:15 A.M. Mountain Time with no presence of groundwater or moisture.
 (11/26/24) Gauged, confirmed no presence of groundwater or moisture.

Nearest water well

DKL Energy - Cottonwood, LLC

Legend

- 0.31 Miles
- 0.50 Mile Radius
- 0.92 Miles
- 1.00 Miles
- 2.14 Miles
- 2.21 Miles
- 3.15 Miles
- 3.34 Miles
- NMSEO Water Well
- Norman B Pad (07.31.2024)
- USGS Water Well



Low Karst

DKL Energy - Cottonwood, LLC

Legend

- Low
- Norman B Pad (07.31.2024)

Norman B Pad (07.31.2024)





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 00750 POD1		CP	LE		SW	SE	07	20S	34E	631639.0	3605834.0 *		499	320		
CP 00657 POD1		CP	LE		SW	SW	17	20S	34E	632465.0	3604239.0 *		1543	165		
CP 01867 POD4		CP	LE	NW	NE	SE	20	20S	34E	633512.6	3603245.3		2856	220		
CP 01867 POD3		CP	LE	NW	NE	SE	20	20S	34E	633580.2	3603242.8		2892	220		
CP 01867 POD2		CP	LE	NW	NE	SE	20	20S	34E	633512.6	3603189.6		2905	200		
CP 01867 POD1		CP	LE	NW	NE	SE	20	20S	34E	633584.3	3603189.9		2940	200		
CP 00748 POD1		CP	LE			NE	01	20S	33E	630197.0	3608428.0 *		3306			
CP 00798 POD1		CP	LE	NE	NW	NW	24	20S	33E	629348.0	3603892.0 *		3343	850		
CP 00656 POD1		CP	LE	SE	SE	SE	04	20S	34E	635342.0	3607391.0 *		3608	225		
L 07213		L	LE	SE	NW	SE	31	19S	34E	631700.0	3609351.0 *		3631	160	110	50

Average Depth to Water: 110 feet

Minimum Depth: 110 feet

Maximum Depth: 110 feet

Record Count: 10

UTM Filters (in meters):

Easting: 632130.67

Northing: 3605745.46

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.

Revised June 1972

STATE ENGINEER OFFICE
WELL RECORD

475954

Section 1. GENERAL INFORMATION

(A) Owner of well TXO Prod. Owner's Well No. _____
Street or Post Office Address c/o Glenn's Water Well Service,
City and State P.O. Box 692 Tatum, N.M. 88267

Well was drilled under Permit No. CP-750 and is located in the:
a. _____ ¼ _____ ¼ SW ¼ SE ¼ of Section 7 Township 20-S. Range 34-E. N.M.P.M.
b. Tract No. _____ of Map No. _____ of the _____
c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.
d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in
the _____ Grant.

(B) Drilling Contractor Glenn's Water Well Service, Inc. License No. WD 421
Address P.O. Box 692 Tatum, N.M. 88267
Drilling Began 6/20/90 Completed 6/20/90 Type tools rotary Size of hole 7 7/8 in.
Elevation of land surface or _____ at well is _____ ft. Total depth of well 320 ft.
Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well _____ ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
			dry hole	26
				AM 8 29

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To

Section 4. RECORD OF MUDDING AND CEMENTING

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

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method well was plugged with dirt
Date Well Plugged _____
Plugging approved by: _____
State Engineer Representative

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

FOR USE OF STATE ENGINEER ONLY

Date Received July 26, 1990 Quad _____ FWL _____ FSL _____
File No. CP-750 Use OLD Location No. 20.34.7.4300

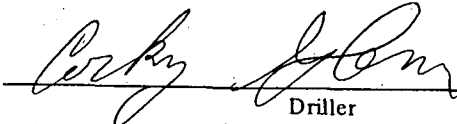
Section 6. LOG OF HOLE

Depth in Feet		Thickness in Feet	Color and Type of Material Encountered
From	To		
0	6	6	sand
6	16	10	caleche
16	20	4	sand
20	22	2	rock (soft)
22	32	10	sand
32	65	33	sandy clay
65	102	37	red clay
102	107	5	blue sand rock
107	118	11	brown shale
118	127	9	blue sand rock
127	130	3	brown shale
130	154	24	blue sand rock
154	159	5	limestone hard
159	178	19	red clay
178	191	13	brown shale
191	210	19	red clay
210	235	25	brown shale
235	278	43	brown shale (some light blue)
278	295	17	purple shale (some light blue)
295	306	11	yellow and blue clay
306	320	14	red clay

SEALING
DIVISION
12/10/2024

Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.



Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled. For record, only Section 1(a) and Section 5 need be completed.

Point of Diversion Summary

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

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00657 POD1		SW	SW	17	20S	34E	632465.0	3604239.0 *	

* UTM location was derived from PLSS - see Help

Driller License:122

Driller Company:UNKNOWN

Driller Name:

Drill Start Date:

Drill Finish Date:

Plug Date:

Log File Date:

PCW Rcv Date:

Source:Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:7.00

Depth Well:165

Depth Water:

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.

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
				Groundwater	New Mexico	GO	

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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 323345103351101

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

USGS 323345103351101 20S.34E.17.33442

Lea County, New Mexico
Latitude 32°34'00", Longitude 103°35'14" NAD27
Land-surface elevation 3,639.00 feet above NGVD29
The depth of the well is 160 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) 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
1965-11-16			D 62610		3508.78	NGVD29	1		Z	
1965-11-16			D 62611		3510.34	NAVD88	1		Z	
1965-11-16			D 72019	130.22			1		Z	
1968-03-19			D 62610		3510.30	NGVD29	1		Z	
1968-03-19			D 62611		3511.86	NAVD88	1		Z	
1968-03-19			D 72019	128.70			1		Z	
1971-02-03			D 62610		3495.28	NGVD29	P		Z	
1971-02-03			D 62611		3496.84	NAVD88	P		Z	
1971-02-03			D 72019	143.72			P		Z	
1972-10-02			D 62610		3508.62	NGVD29	P		Z	
1972-10-02			D 62611		3510.18	NAVD88	P		Z	
1972-10-02			D 72019	130.38			P		Z	
1976-01-28			D 62610		3506.83	NGVD29	1		Z	
1976-01-28			D 62611		3508.39	NAVD88	1		Z	
1976-01-28			D 72019	132.17			1		Z	

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
1981-02-19	D	62610	3508.61	NGVD29	1	Z	
1981-02-19	D	62611	3510.17	NAVD88	1	Z	
1981-02-19	D	72019	130.39		1	Z	
1986-04-01	D	62610	3508.26	NGVD29	1	Z	
1986-04-01	D	62611	3509.82	NAVD88	1	Z	
1986-04-01	D	72019	130.74		1	Z	
1996-01-26	D	62610	3511.42	NGVD29	1	S	
1996-01-26	D	62611	3512.98	NAVD88	1	S	
1996-01-26	D	72019	127.58		1	S	

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
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
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?site_no=323345103351101&agency_cd=USGS&format=html



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Geographic Area:
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Agency code = usgs
site_no list =

- 323335103370601

Minimum number of levels = 1
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USGS 323335103370601 20S.33E.24.12411

Lea County, New Mexico
Latitude 32°33'35", Longitude 103°37'06" NAD27
Land-surface elevation 3,641 feet above NAVD88
The depth of the well is 676 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) 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 (measured)
1968-03-19			D 62610		3242.63	NGVD29	1	Z		
1968-03-19			D 62611		3244.19	NAVD88	1	Z		
1968-03-19			D 72019	396.81			1	Z		
1971-02-03			D 62610		3225.89	NGVD29	P	Z		
1971-02-03			D 62611		3227.45	NAVD88	P	Z		
1971-02-03			D 72019	413.55			P	Z		
1972-09-22			D 62610		3234.74	NGVD29	1	Z		
1972-09-22			D 62611		3236.30	NAVD88	1	Z		
1972-09-22			D 72019	404.70			1	Z		
1976-02-20			D 62610		3200.13	NGVD29	P	Z		
1976-02-20			D 62611		3201.69	NAVD88	P	Z		
1976-02-20			D 72019	439.31			P	Z		
1976-04-15			D 62610		3465.45	NGVD29	1	Z		
1976-04-15			D 62611		3467.01	NAVD88	1	Z		
1976-04-15			D 72019	173.99			1	Z		

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
Status	P	Pumping
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?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=323335103370601&agency_cd=USGS&format=html)



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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 323529103332501

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

USGS 323529103332501 20S.34E.04.44434

Lea County, New Mexico
Latitude 32°35'44.90", Longitude 103°33'27.80" NAD83
Land-surface elevation 3,632 feet above NAVD88
The depth of the well is 200 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) 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 measur
1965-11-17			D 62610		3443.90	NGVD29	P		Z	
1965-11-17			D 62611		3445.46	NAVD88	P		Z	
1965-11-17			D 72019	186.54			P		Z	
1968-03-19			D 62610		3484.54	NGVD29	1		Z	
1968-03-19			D 62611		3486.10	NAVD88	1		Z	
1968-03-19			D 72019	145.90			1		Z	
1971-02-03			D 62610		3458.25	NGVD29	P		Z	
1971-02-03			D 62611		3459.81	NAVD88	P		Z	
1971-02-03			D 72019	172.19			P		Z	
1972-10-02			D 62610		3456.35	NGVD29	P		Z	
1972-10-02			D 62611		3457.91	NAVD88	P		Z	
1972-10-02			D 72019	174.09			P		Z	
1976-01-28			D 62610		3500.54	NGVD29	1		Z	
1976-01-28			D 62611		3502.10	NAVD88	1		Z	

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 measur
1976-01-28			D	72019	129.90			1	Z	
1981-02-18			D	62610		3503.57	NGVD29	1	Z	
1981-02-18			D	62611		3505.13	NAVD88	1	Z	
1981-02-18			D	72019	126.87			1	Z	
1986-04-01			D	62610		3504.62	NGVD29	1	Z	
1986-04-01			D	62611		3506.18	NAVD88	1	Z	
1986-04-01			D	72019	125.82			1	Z	
1996-01-26			D	62610		3505.67	NGVD29	1	S	
1996-01-26			D	62611		3507.23	NAVD88	1	S	
1996-01-26			D	72019	124.77			1	S	
2015-12-17	15:45 UTC		m	62610		3517.69	NGVD29	1	S	USGS
2015-12-17	15:45 UTC		m	62611		3519.25	NAVD88	1	S	USGS
2015-12-17	15:45 UTC		m	72019	112.75			1	S	USGS

Explanation		
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
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
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
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?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=323529103332501&agency_cd=USGS&format=html)



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Page Last Modified: 2023-07-14 15:41:16 EDT
0.28 0.25 nadww01

PHOTOGRAPHIC LOG

Cimarex Energy Co.

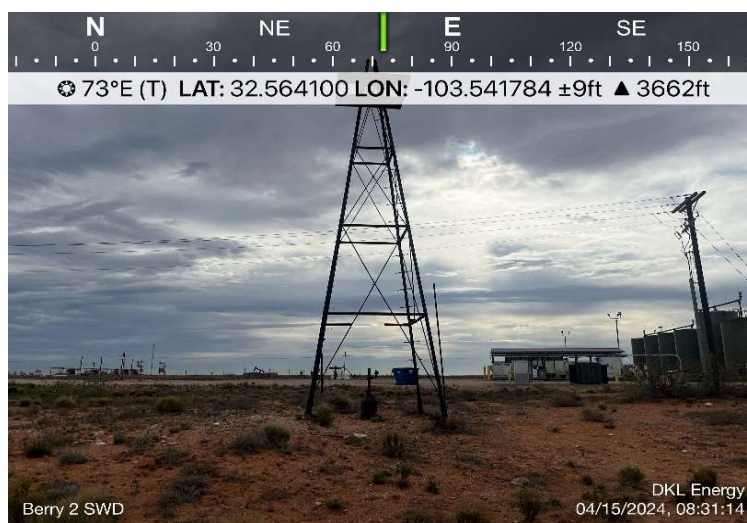
Photograph No. 1

Facility: Berry 2 (11.27.2023)

County: Lea County, New Mexico

Description:

View East, Disconnected Windmill.



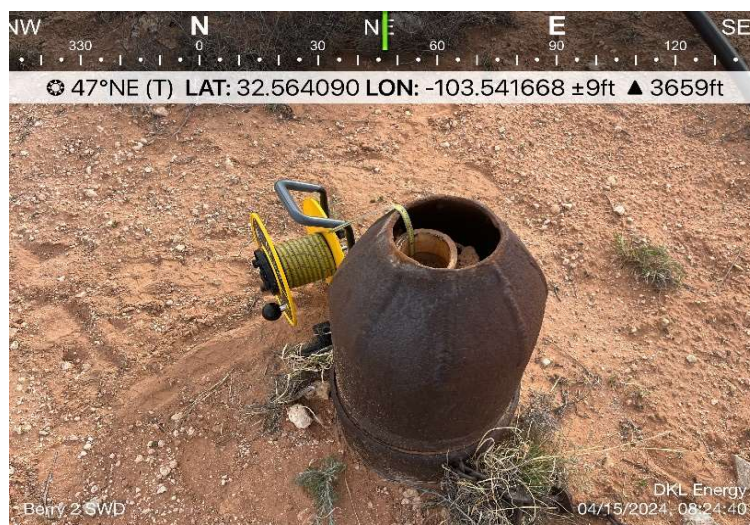
Photograph No. 2

Facility: Berry 2 (11.27.2023)

County: Lea County, New Mexico

Description:

View Northeast, Groundwater Measuring Probe.



Photograph No. 3

Facility: Berry 2 (11.27.2023)

County: Lea County, New Mexico

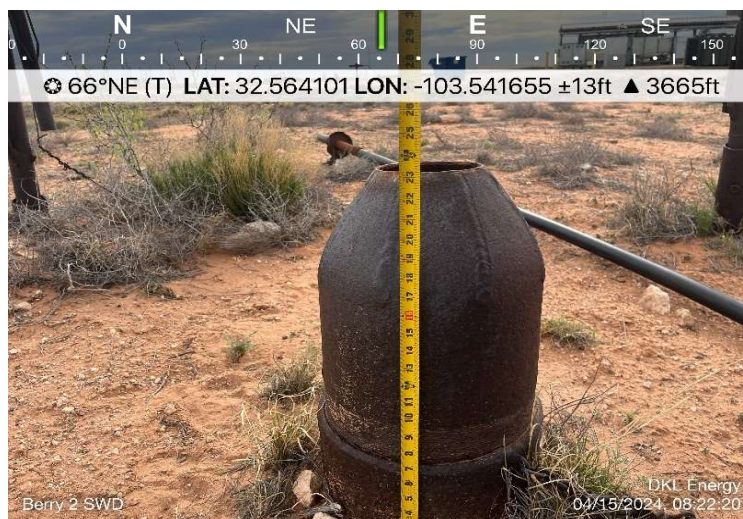
Description:

View North, Measurement of Water in Well.



PHOTOGRAPHIC LOG**Cimarex Energy Co.****Photograph No. 4****Facility:** Berry 2 (11.27.2023)**County:** Lea County, New Mexico**Description:**

View Northeast, Measurement of Casing Height Above Ground Surface.





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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 323336103322501

Minimum number of levels = 1
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USGS 323336103322501 20S.34E.22.222333

Lea County, New Mexico
Latitude 32°33'36", Longitude 103°32'25" NAD27
Land-surface elevation 3,663 feet above NAVD88
The depth of the well is 250 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) 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
1965-11-17			D 62610		3483.69	NGVD29	P		Z	
1965-11-17			D 62611		3485.25	NAVD88	P		Z	
1965-11-17			D 72019	177.75			P		Z	
1966-03-02			D 62610		3491.87	NGVD29	P		Z	
1966-03-02			D 62611		3493.43	NAVD88	P		Z	
1966-03-02			D 72019	169.57			P		Z	
1968-03-21			D 62610		3494.74	NGVD29	1		Z	
1968-03-21			D 62611		3496.30	NAVD88	1		Z	
1968-03-21			D 72019	166.70			1		Z	
1971-02-03			D 62610		3446.46	NGVD29	P		Z	
1971-02-03			D 62611		3448.02	NAVD88	P		Z	
1971-02-03			D 72019	214.98			P		Z	
1972-10-02			D 62610		3464.95	NGVD29	P		Z	
1972-10-02			D 62611		3466.51	NAVD88	P		Z	
1972-10-02			D 72019	196.49			P		Z	

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
1981-02-26			D	62610	3495.31	NGVD29	P		Z	
1981-02-26			D	62611	3496.87	NAVD88	P		Z	
1981-02-26			D	72019	166.13		P		Z	

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
Status	P	Pumping
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 0.29 nadww02

FEMA National Flood Hazard Layer (NFHL)



Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA

FEMA National Flood Hazard Layer (NFHL)



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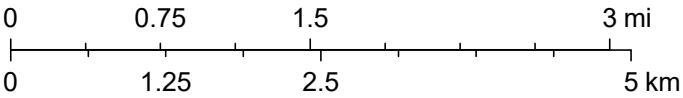
Norman B Pad (07.31.2024)



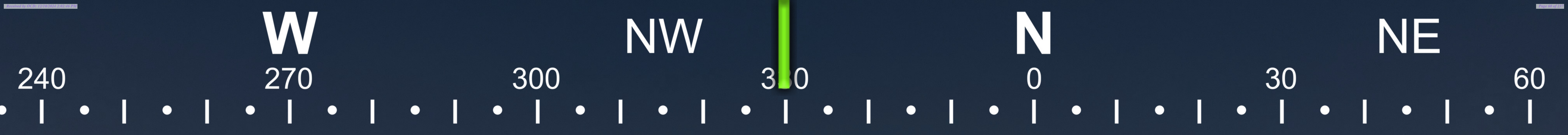
7/31/2024, 2:01:33 PM

-  OSW Water Bodys
-  OSE Probable Playas
-  OSE Streams

1:72,224



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



☀ 330°NW (T) LAT: 32.580761 LON: -103.591739 ±13ft ▲ 3635ft



Norman B Booster

Delek Logistics Companies
07/31/2024, 12:17:23



☀ 47°NE (T) LAT: 32.580823 LON: -103.591780 ±13ft ▲ 3634ft





☉ 93°E (T) LAT: 32.580826 LON: -103.591929 ±13ft ▲ 3628ft



Norman B Booster

Delek Logistics Companies
07/31/2024, 12:17:53

APPENDIX E

CARMONA RESOURCES





Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Norman B - 07.31.2024
Lea County, NM

JOB NUMBER

880-46889-1

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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8/8/2024 12:03:49 PM

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

Client: Carmona Resources
Project/Site: Norman B - 07.31.2024

Laboratory Job ID: 880-46889-1
SDG: Lea County, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	14
QC Sample Results	15
QC Association Summary	19
Lab Chronicle	22
Certification Summary	26
Method Summary	27
Sample Summary	28
Chain of Custody	29
Receipt Checklists	30

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

Definitions/Glossary

Client: Carmona Resources
Project/Site: Norman B - 07.31.2024

Job ID: 880-46889-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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
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: Norman B - 07.31.2024

Job ID: 880-46889-1

Job ID: 880-46889-1

Eurofins Midland

Job Narrative 880-46889-1

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 8/5/2024 2:10 PM. 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 3.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-1") (880-46889-1), H-2 (0-1") (880-46889-2), H-3 (0-1") (880-46889-3), H-4 (0-1") (880-46889-4), H-5 (0-1") (880-46889-5), H-6 (0-1") (880-46889-6), H-7 (0-1") (880-46889-7), H-8 (0-1") (880-46889-8), H-9 (0-1") (880-46889-9) and H-10 (0-1") (880-46889-10).

GC VOA

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 continuing calibration verification (CCV) associated with batch 880-87745 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-87592 and analytical batch 880-87745 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.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: H-1 (0-1") (880-46889-1), H-4 (0-1") (880-46889-4), H-6 (0-1") (880-46889-6), H-7 (0-1") (880-46889-7), H-10 (0-1") (880-46889-10), (LCS 880-87592/2-A) and (LCSD 880-87592/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: H-2 (0-1") (880-46889-2). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-46870-A-24-A), (880-46870-A-24-B MS) and (880-46870-A-24-C MSD). 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.

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-87658 and analytical batch 880-87682 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: Norman B - 07.31.2024

Job ID: 880-46889-1
SDG: Lea County, NM

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

Lab Sample ID: 880-46889-1

Date Collected: 08/02/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 11:12	08/06/24 22:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:12	08/06/24 22:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:12	08/06/24 22:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/06/24 11:12	08/06/24 22:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:12	08/06/24 22:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/06/24 11:12	08/06/24 22:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	08/06/24 11:12	08/06/24 22:48	1
1,4-Difluorobenzene (Surr)	92		70 - 130	08/06/24 11:12	08/06/24 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			08/06/24 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	<49.9	U	49.9		mg/Kg			08/08/24 03:42	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	<49.9	U	49.9		mg/Kg		08/06/24 08:20	08/08/24 03:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		08/06/24 08:20	08/08/24 03:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/06/24 08:20	08/08/24 03:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130	08/06/24 08:20	08/08/24 03:42	1
o-Terphenyl	135	S1+	70 - 130	08/06/24 08:20	08/08/24 03:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	224	F1	4.97		mg/Kg			08/07/24 19:03	1

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

Lab Sample ID: 880-46889-2

Date Collected: 08/02/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 11:12	08/06/24 23:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:12	08/06/24 23:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:12	08/06/24 23:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/06/24 11:12	08/06/24 23:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:12	08/06/24 23:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/06/24 11:12	08/06/24 23:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	08/06/24 11:12	08/06/24 23:08	1
1,4-Difluorobenzene (Surr)	94		70 - 130	08/06/24 11:12	08/06/24 23:08	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Norman B - 07.31.2024

Job ID: 880-46889-1
SDG: Lea County, NM

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

Lab Sample ID: 880-46889-2

Date Collected: 08/02/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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			08/06/24 23:08	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			08/08/24 03:57	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		08/06/24 08:20	08/08/24 03:57	1
Diesel Range Organics (Over C10-C28)	<49.7	U **	49.7		mg/Kg		08/06/24 08:20	08/08/24 03:57	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/06/24 08:20	08/08/24 03:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				08/06/24 08:20	08/08/24 03:57	1
o-Terphenyl	129		70 - 130				08/06/24 08:20	08/08/24 03:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	323		4.96		mg/Kg			08/07/24 19:21	1

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

Lab Sample ID: 880-46889-3

Date Collected: 08/02/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 11:12	08/06/24 23:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/06/24 11:12	08/06/24 23:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/06/24 11:12	08/06/24 23:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/06/24 11:12	08/06/24 23:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/06/24 11:12	08/06/24 23:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/06/24 11:12	08/06/24 23:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				08/06/24 11:12	08/06/24 23:29	1
1,4-Difluorobenzene (Surr)	94		70 - 130				08/06/24 11:12	08/06/24 23:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/06/24 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	<49.9	U	49.9		mg/Kg			08/08/24 04:30	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	<49.9	U	49.9		mg/Kg		08/06/24 08:20	08/08/24 04:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		08/06/24 08:20	08/08/24 04:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B - 07.31.2024

Job ID: 880-46889-1
SDG: Lea County, NM

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

Lab Sample ID: 880-46889-3

Date Collected: 08/02/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 08:20	08/08/24 04:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				08/06/24 08:20	08/08/24 04:30	1
o-Terphenyl	120		70 - 130				08/06/24 08:20	08/08/24 04:30	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		4.97		mg/Kg			08/07/24 19:27	1

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

Lab Sample ID: 880-46889-4

Date Collected: 08/02/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 11:12	08/06/24 23:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:12	08/06/24 23:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:12	08/06/24 23:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/06/24 11:12	08/06/24 23:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:12	08/06/24 23:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/06/24 11:12	08/06/24 23:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				08/06/24 11:12	08/06/24 23:49	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/06/24 11:12	08/06/24 23:49	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			08/06/24 23:49	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			08/08/24 04:46	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	<49.7	U	49.7		mg/Kg		08/06/24 08:20	08/08/24 04:46	1
Diesel Range Organics (Over C10-C28)	<49.7	U **	49.7		mg/Kg		08/06/24 08:20	08/08/24 04:46	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/06/24 08:20	08/08/24 04:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				08/06/24 08:20	08/08/24 04:46	1
o-Terphenyl	134	S1+	70 - 130				08/06/24 08:20	08/08/24 04:46	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.2		4.98		mg/Kg			08/07/24 19:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B - 07.31.2024

Job ID: 880-46889-1
SDG: Lea County, NM

Client Sample ID: H-5 (0-1")

Lab Sample ID: 880-46889-5

Date Collected: 08/02/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 11:12	08/07/24 00:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:12	08/07/24 00:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:12	08/07/24 00:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/06/24 11:12	08/07/24 00:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:12	08/07/24 00:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/06/24 11:12	08/07/24 00:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	08/06/24 11:12	08/07/24 00:09	1
1,4-Difluorobenzene (Surr)	93		70 - 130	08/06/24 11:12	08/07/24 00:09	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			08/07/24 00:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/08/24 05:02	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	<49.9	U	49.9		mg/Kg		08/06/24 08:20	08/08/24 05:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		08/06/24 08:20	08/08/24 05:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/06/24 08:20	08/08/24 05:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	08/06/24 08:20	08/08/24 05:02	1
o-Terphenyl	126		70 - 130	08/06/24 08:20	08/08/24 05:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	185		4.96		mg/Kg			08/07/24 19:39	1

Client Sample ID: H-6 (0-1")

Lab Sample ID: 880-46889-6

Date Collected: 08/02/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 11:12	08/07/24 00:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/06/24 11:12	08/07/24 00:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/06/24 11:12	08/07/24 00:30	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/06/24 11:12	08/07/24 00:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/06/24 11:12	08/07/24 00:30	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/06/24 11:12	08/07/24 00:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	08/06/24 11:12	08/07/24 00:30	1
1,4-Difluorobenzene (Surr)	95		70 - 130	08/06/24 11:12	08/07/24 00:30	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Norman B - 07.31.2024

Job ID: 880-46889-1
SDG: Lea County, NM

Client Sample ID: H-6 (0-1")

Lab Sample ID: 880-46889-6

Date Collected: 08/02/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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			08/07/24 00:30	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			08/08/24 05:18	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	<49.8	U	49.8		mg/Kg		08/06/24 08:20	08/08/24 05:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		08/06/24 08:20	08/08/24 05:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/06/24 08:20	08/08/24 05:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				08/06/24 08:20	08/08/24 05:18	1
o-Terphenyl	134	S1+	70 - 130				08/06/24 08:20	08/08/24 05:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		4.98		mg/Kg			08/07/24 19:57	1

Client Sample ID: H-7 (0-1")

Lab Sample ID: 880-46889-7

Date Collected: 08/02/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 11:12	08/07/24 00:50	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/06/24 11:12	08/07/24 00:50	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/06/24 11:12	08/07/24 00:50	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/06/24 11:12	08/07/24 00:50	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/06/24 11:12	08/07/24 00:50	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/06/24 11:12	08/07/24 00:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				08/06/24 11:12	08/07/24 00:50	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/06/24 11:12	08/07/24 00:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/07/24 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			08/08/24 05:34	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	<50.0	U	50.0		mg/Kg		08/06/24 08:20	08/08/24 05:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		08/06/24 08:20	08/08/24 05:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B - 07.31.2024

Job ID: 880-46889-1
SDG: Lea County, NM

Client Sample ID: H-7 (0-1")

Lab Sample ID: 880-46889-7

Date Collected: 08/02/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 08:20	08/08/24 05:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130				08/06/24 08:20	08/08/24 05:34	1
o-Terphenyl	143	S1+	70 - 130				08/06/24 08:20	08/08/24 05:34	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	285		4.99		mg/Kg			08/07/24 20:03	1

Client Sample ID: H-8 (0-1")

Lab Sample ID: 880-46889-8

Date Collected: 08/02/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 11:12	08/07/24 01:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:12	08/07/24 01:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:12	08/07/24 01:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/06/24 11:12	08/07/24 01:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:12	08/07/24 01:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/06/24 11:12	08/07/24 01:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				08/06/24 11:12	08/07/24 01:11	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/06/24 11:12	08/07/24 01:11	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			08/07/24 01:11	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			08/08/24 05:50	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	<49.8	U	49.8		mg/Kg		08/06/24 08:20	08/08/24 05:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		08/06/24 08:20	08/08/24 05:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/06/24 08:20	08/08/24 05:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				08/06/24 08:20	08/08/24 05:50	1
o-Terphenyl	127		70 - 130				08/06/24 08:20	08/08/24 05:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	203		4.99		mg/Kg			08/07/24 20:09	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B - 07.31.2024

Job ID: 880-46889-1
SDG: Lea County, NM

Client Sample ID: H-9 (0-1")

Lab Sample ID: 880-46889-9

Date Collected: 08/02/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 11:12	08/07/24 01:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:12	08/07/24 01:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:12	08/07/24 01:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/06/24 11:12	08/07/24 01:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:12	08/07/24 01:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/06/24 11:12	08/07/24 01:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	08/06/24 11:12	08/07/24 01:31	1
1,4-Difluorobenzene (Surr)	95		70 - 130	08/06/24 11:12	08/07/24 01:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/07/24 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	<50.0	U	50.0		mg/Kg			08/08/24 06:06	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		08/06/24 08:20	08/08/24 06:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		08/06/24 08:20	08/08/24 06:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/06/24 08:20	08/08/24 06:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	08/06/24 08:20	08/08/24 06:06	1
o-Terphenyl	129		70 - 130	08/06/24 08:20	08/08/24 06:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	339		5.00		mg/Kg			08/07/24 20:15	1

Client Sample ID: H-10 (0-1")

Lab Sample ID: 880-46889-10

Date Collected: 08/02/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 11:12	08/07/24 01:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/06/24 11:12	08/07/24 01:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/06/24 11:12	08/07/24 01:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/06/24 11:12	08/07/24 01:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/06/24 11:12	08/07/24 01:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/06/24 11:12	08/07/24 01:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	08/06/24 11:12	08/07/24 01:52	1
1,4-Difluorobenzene (Surr)	96		70 - 130	08/06/24 11:12	08/07/24 01:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B - 07.31.2024

Job ID: 880-46889-1
SDG: Lea County, NM

Client Sample ID: H-10 (0-1")
Date Collected: 08/02/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46889-10
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/07/24 01:52	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			08/08/24 06:22	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		08/06/24 08:20	08/08/24 06:22	1	
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		08/06/24 08:20	08/08/24 06:22	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/06/24 08:20	08/08/24 06:22	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	165	S1+	70 - 130				08/06/24 08:20	08/08/24 06:22	1	
o-Terphenyl	167	S1+	70 - 130				08/06/24 08:20	08/08/24 06:22	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	372		4.97		mg/Kg			08/07/24 20:21	1	

Surrogate Summary

Client: Carmona Resources
Project/Site: Norman B - 07.31.2024

Job ID: 880-46889-1
SDG: Lea County, NM

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)				
880-46889-1	H-1 (0-1")	100	92				
880-46889-2	H-2 (0-1")	102	94				
880-46889-3	H-3 (0-1")	109	94				
880-46889-4	H-4 (0-1")	105	95				
880-46889-5	H-5 (0-1")	103	93				
880-46889-6	H-6 (0-1")	105	95				
880-46889-7	H-7 (0-1")	107	96				
880-46889-8	H-8 (0-1")	108	96				
880-46889-9	H-9 (0-1")	106	95				
880-46889-10	H-10 (0-1")	108	96				
885-9144-A-10-B MS	Matrix Spike	100	101				
885-9144-A-10-C MSD	Matrix Spike Duplicate	94	102				
LCS 880-87616/1-A	Lab Control Sample	94	102				
LCSD 880-87616/2-A	Lab Control Sample Dup	97	99				
MB 880-87616/5-A	Method Blank	98	83				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-46870-A-24-B MS	Matrix Spike	120	136 S1+				
880-46870-A-24-C MSD	Matrix Spike Duplicate	120	134 S1+				
880-46889-1	H-1 (0-1")	134 S1+	135 S1+				
880-46889-2	H-2 (0-1")	132 S1+	129				
880-46889-3	H-3 (0-1")	120	120				
880-46889-4	H-4 (0-1")	135 S1+	134 S1+				
880-46889-5	H-5 (0-1")	127	126				
880-46889-6	H-6 (0-1")	134 S1+	134 S1+				
880-46889-7	H-7 (0-1")	143 S1+	143 S1+				
880-46889-8	H-8 (0-1")	126	127				
880-46889-9	H-9 (0-1")	128	129				
880-46889-10	H-10 (0-1")	165 S1+	167 S1+				
LCS 880-87592/2-A	Lab Control Sample	134 S1+	149 S1+				
LCSD 880-87592/3-A	Lab Control Sample Dup	135 S1+	150 S1+				
MB 880-87592/1-A	Method Blank	118	119				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

QC Sample Results

Client: Carmona Resources
Project/Site: Norman B - 07.31.2024

Job ID: 880-46889-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-87616/5-A							Client Sample ID: Method Blank			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 87664							Prep Batch: 87616			
Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
	Result	Qualifier								
Benzene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:12	08/06/24 17:57	1	
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:12	08/06/24 17:57	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:12	08/06/24 17:57	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/06/24 11:12	08/06/24 17:57	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:12	08/06/24 17:57	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/06/24 11:12	08/06/24 17:57	1	
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac	
	%Recovery	Qualifier								
4-Bromofluorobenzene (Surr)	98		70 - 130				08/06/24 11:12	08/06/24 17:57	1	
1,4-Difluorobenzene (Surr)	83		70 - 130				08/06/24 11:12	08/06/24 17:57	1	

Lab Sample ID: LCS 880-87616/1-A					Client Sample ID: Lab Control Sample					
Matrix: Solid					Prep Type: Total/NA					
Analysis Batch: 87664					Prep Batch: 87616					
			Spike	LCS	LCS			%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene			0.100	0.1037		mg/Kg		104	70 - 130	
Toluene			0.100	0.08955		mg/Kg		90	70 - 130	
Ethylbenzene			0.100	0.09714		mg/Kg		97	70 - 130	
m-Xylene & p-Xylene			0.200	0.1931		mg/Kg		97	70 - 130	
o-Xylene			0.100	0.09793		mg/Kg		98	70 - 130	
			LCS	LCS						
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	94		70 - 130							
1,4-Difluorobenzene (Surr)	102		70 - 130							

Lab Sample ID: LCSD 880-87616/2-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 87664							Prep Batch: 87616			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.09488		mg/Kg		95	70 - 130	9	35
Toluene		0.100	0.08237		mg/Kg		82	70 - 130	8	35
Ethylbenzene		0.100	0.08994		mg/Kg		90	70 - 130	8	35
m-Xylene & p-Xylene		0.200	0.1775		mg/Kg		89	70 - 130	8	35
o-Xylene		0.100	0.09070		mg/Kg		91	70 - 130	8	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	97		70 - 130							
1,4-Difluorobenzene (Surr)	99		70 - 130							

Lab Sample ID: 885-9144-A-10-B MS							Client Sample ID: Matrix Spike			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 87664							Prep Batch: 87616			
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	<0.00202	U	0.100	0.09524		mg/Kg		95	70 - 130	
Toluene	<0.00202	U	0.100	0.08173		mg/Kg		82	70 - 130	

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QC Sample Results

Client: Carmona Resources
Project/Site: Norman B - 07.31.2024

Job ID: 880-46889-1
SDG: Lea County, NM

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

Lab Sample ID: 885-9144-A-10-B MS

Matrix: Solid

Analysis Batch: 87664

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 87616

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.100	0.08898		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	<0.00404	U	0.200	0.1760		mg/Kg		88	70 - 130
o-Xylene	<0.00202	U	0.100	0.08965		mg/Kg		90	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 885-9144-A-10-C MSD

Matrix: Solid

Analysis Batch: 87664

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 87616

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.1074		mg/Kg		107	70 - 130	12	35
Toluene	<0.00202	U	0.100	0.09318		mg/Kg		93	70 - 130	13	35
Ethylbenzene	<0.00202	U	0.100	0.09987		mg/Kg		100	70 - 130	12	35
m-Xylene & p-Xylene	<0.00404	U	0.200	0.1964		mg/Kg		98	70 - 130	11	35
o-Xylene	<0.00202	U	0.100	0.09913		mg/Kg		99	70 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-87592/1-A

Matrix: Solid

Analysis Batch: 87745

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87592

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		08/06/24 08:19	08/08/24 00:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/06/24 08:19	08/08/24 00:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/06/24 08:19	08/08/24 00:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	08/06/24 08:19	08/08/24 00:13	1
o-Terphenyl	119		70 - 130	08/06/24 08:19	08/08/24 00:13	1

Lab Sample ID: LCS 880-87592/2-A

Matrix: Solid

Analysis Batch: 87745

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87592

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1233		mg/Kg		123	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1337	*+	mg/Kg		134	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Norman B - 07.31.2024

Job ID: 880-46889-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-87592/2-A

Matrix: Solid

Analysis Batch: 87745

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87592

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	134	S1+	70 - 130
o-Terphenyl	149	S1+	70 - 130

Lab Sample ID: LCSD 880-87592/3-A

Matrix: Solid

Analysis Batch: 87745

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87592

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1245		mg/Kg		124	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1419	*+	mg/Kg		142	70 - 130	6	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	135	S1+	70 - 130
o-Terphenyl	150	S1+	70 - 130

Lab Sample ID: 880-46870-A-24-B MS

Matrix: Solid

Analysis Batch: 87745

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 87592

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	1069		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U *+	996	1201		mg/Kg		121	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	136	S1+	70 - 130

Lab Sample ID: 880-46870-A-24-C MSD

Matrix: Solid

Analysis Batch: 87745

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 87592

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	<50.0	U	996	1092		mg/Kg		110	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U *+	996	1155		mg/Kg		116	70 - 130	4	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	134	S1+	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Norman B - 07.31.2024

Job ID: 880-46889-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-87658/1-A Matrix: Solid Analysis Batch: 87682										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			08/07/24 18:45	1		

Lab Sample ID: LCS 880-87658/2-A Matrix: Solid Analysis Batch: 87682										Client Sample ID: Lab Control Sample Prep Type: Soluble	
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	246.6		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-87658/3-A Matrix: Solid Analysis Batch: 87682										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	246.8		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-46889-1 MS Matrix: Solid Analysis Batch: 87682										Client Sample ID: H-1 (0-1") Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	224	F1	249	504.3	F1	mg/Kg		113	90 - 110		

Lab Sample ID: 880-46889-1 MSD Matrix: Solid Analysis Batch: 87682										Client Sample ID: H-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	224	F1	249	505.0	F1	mg/Kg		113	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Norman B - 07.31.2024

Job ID: 880-46889-1
SDG: Lea County, NM

GC VOA

Prep Batch: 87616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46889-1	H-1 (0-1")	Total/NA	Solid	5035	
880-46889-2	H-2 (0-1")	Total/NA	Solid	5035	
880-46889-3	H-3 (0-1")	Total/NA	Solid	5035	
880-46889-4	H-4 (0-1")	Total/NA	Solid	5035	
880-46889-5	H-5 (0-1")	Total/NA	Solid	5035	
880-46889-6	H-6 (0-1")	Total/NA	Solid	5035	
880-46889-7	H-7 (0-1")	Total/NA	Solid	5035	
880-46889-8	H-8 (0-1")	Total/NA	Solid	5035	
880-46889-9	H-9 (0-1")	Total/NA	Solid	5035	
880-46889-10	H-10 (0-1")	Total/NA	Solid	5035	
MB 880-87616/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-87616/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-87616/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
885-9144-A-10-B MS	Matrix Spike	Total/NA	Solid	5035	
885-9144-A-10-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 87664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46889-1	H-1 (0-1")	Total/NA	Solid	8021B	87616
880-46889-2	H-2 (0-1")	Total/NA	Solid	8021B	87616
880-46889-3	H-3 (0-1")	Total/NA	Solid	8021B	87616
880-46889-4	H-4 (0-1")	Total/NA	Solid	8021B	87616
880-46889-5	H-5 (0-1")	Total/NA	Solid	8021B	87616
880-46889-6	H-6 (0-1")	Total/NA	Solid	8021B	87616
880-46889-7	H-7 (0-1")	Total/NA	Solid	8021B	87616
880-46889-8	H-8 (0-1")	Total/NA	Solid	8021B	87616
880-46889-9	H-9 (0-1")	Total/NA	Solid	8021B	87616
880-46889-10	H-10 (0-1")	Total/NA	Solid	8021B	87616
MB 880-87616/5-A	Method Blank	Total/NA	Solid	8021B	87616
LCS 880-87616/1-A	Lab Control Sample	Total/NA	Solid	8021B	87616
LCSD 880-87616/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	87616
885-9144-A-10-B MS	Matrix Spike	Total/NA	Solid	8021B	87616
885-9144-A-10-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	87616

Analysis Batch: 87774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46889-1	H-1 (0-1")	Total/NA	Solid	Total BTEX	
880-46889-2	H-2 (0-1")	Total/NA	Solid	Total BTEX	
880-46889-3	H-3 (0-1")	Total/NA	Solid	Total BTEX	
880-46889-4	H-4 (0-1")	Total/NA	Solid	Total BTEX	
880-46889-5	H-5 (0-1")	Total/NA	Solid	Total BTEX	
880-46889-6	H-6 (0-1")	Total/NA	Solid	Total BTEX	
880-46889-7	H-7 (0-1")	Total/NA	Solid	Total BTEX	
880-46889-8	H-8 (0-1")	Total/NA	Solid	Total BTEX	
880-46889-9	H-9 (0-1")	Total/NA	Solid	Total BTEX	
880-46889-10	H-10 (0-1")	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Norman B - 07.31.2024

Job ID: 880-46889-1
SDG: Lea County, NM

GC Semi VOA

Prep Batch: 87592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46889-1	H-1 (0-1")	Total/NA	Solid	8015NM Prep	
880-46889-2	H-2 (0-1")	Total/NA	Solid	8015NM Prep	
880-46889-3	H-3 (0-1")	Total/NA	Solid	8015NM Prep	
880-46889-4	H-4 (0-1")	Total/NA	Solid	8015NM Prep	
880-46889-5	H-5 (0-1")	Total/NA	Solid	8015NM Prep	
880-46889-6	H-6 (0-1")	Total/NA	Solid	8015NM Prep	
880-46889-7	H-7 (0-1")	Total/NA	Solid	8015NM Prep	
880-46889-8	H-8 (0-1")	Total/NA	Solid	8015NM Prep	
880-46889-9	H-9 (0-1")	Total/NA	Solid	8015NM Prep	
880-46889-10	H-10 (0-1")	Total/NA	Solid	8015NM Prep	
MB 880-87592/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-87592/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-87592/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-46870-A-24-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-46870-A-24-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 87745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46889-1	H-1 (0-1")	Total/NA	Solid	8015B NM	87592
880-46889-2	H-2 (0-1")	Total/NA	Solid	8015B NM	87592
880-46889-3	H-3 (0-1")	Total/NA	Solid	8015B NM	87592
880-46889-4	H-4 (0-1")	Total/NA	Solid	8015B NM	87592
880-46889-5	H-5 (0-1")	Total/NA	Solid	8015B NM	87592
880-46889-6	H-6 (0-1")	Total/NA	Solid	8015B NM	87592
880-46889-7	H-7 (0-1")	Total/NA	Solid	8015B NM	87592
880-46889-8	H-8 (0-1")	Total/NA	Solid	8015B NM	87592
880-46889-9	H-9 (0-1")	Total/NA	Solid	8015B NM	87592
880-46889-10	H-10 (0-1")	Total/NA	Solid	8015B NM	87592
MB 880-87592/1-A	Method Blank	Total/NA	Solid	8015B NM	87592
LCS 880-87592/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	87592
LCSD 880-87592/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	87592
880-46870-A-24-B MS	Matrix Spike	Total/NA	Solid	8015B NM	87592
880-46870-A-24-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	87592

Analysis Batch: 87880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46889-1	H-1 (0-1")	Total/NA	Solid	8015 NM	
880-46889-2	H-2 (0-1")	Total/NA	Solid	8015 NM	
880-46889-3	H-3 (0-1")	Total/NA	Solid	8015 NM	
880-46889-4	H-4 (0-1")	Total/NA	Solid	8015 NM	
880-46889-5	H-5 (0-1")	Total/NA	Solid	8015 NM	
880-46889-6	H-6 (0-1")	Total/NA	Solid	8015 NM	
880-46889-7	H-7 (0-1")	Total/NA	Solid	8015 NM	
880-46889-8	H-8 (0-1")	Total/NA	Solid	8015 NM	
880-46889-9	H-9 (0-1")	Total/NA	Solid	8015 NM	
880-46889-10	H-10 (0-1")	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Norman B - 07.31.2024

Job ID: 880-46889-1
SDG: Lea County, NM

HPLC/IC

Leach Batch: 87658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46889-1	H-1 (0-1")	Soluble	Solid	DI Leach	
880-46889-2	H-2 (0-1")	Soluble	Solid	DI Leach	
880-46889-3	H-3 (0-1")	Soluble	Solid	DI Leach	
880-46889-4	H-4 (0-1")	Soluble	Solid	DI Leach	
880-46889-5	H-5 (0-1")	Soluble	Solid	DI Leach	
880-46889-6	H-6 (0-1")	Soluble	Solid	DI Leach	
880-46889-7	H-7 (0-1")	Soluble	Solid	DI Leach	
880-46889-8	H-8 (0-1")	Soluble	Solid	DI Leach	
880-46889-9	H-9 (0-1")	Soluble	Solid	DI Leach	
880-46889-10	H-10 (0-1")	Soluble	Solid	DI Leach	
MB 880-87658/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-87658/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-87658/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-46889-1 MS	H-1 (0-1")	Soluble	Solid	DI Leach	
880-46889-1 MSD	H-1 (0-1")	Soluble	Solid	DI Leach	

Analysis Batch: 87682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46889-1	H-1 (0-1")	Soluble	Solid	300.0	87658
880-46889-2	H-2 (0-1")	Soluble	Solid	300.0	87658
880-46889-3	H-3 (0-1")	Soluble	Solid	300.0	87658
880-46889-4	H-4 (0-1")	Soluble	Solid	300.0	87658
880-46889-5	H-5 (0-1")	Soluble	Solid	300.0	87658
880-46889-6	H-6 (0-1")	Soluble	Solid	300.0	87658
880-46889-7	H-7 (0-1")	Soluble	Solid	300.0	87658
880-46889-8	H-8 (0-1")	Soluble	Solid	300.0	87658
880-46889-9	H-9 (0-1")	Soluble	Solid	300.0	87658
880-46889-10	H-10 (0-1")	Soluble	Solid	300.0	87658
MB 880-87658/1-A	Method Blank	Soluble	Solid	300.0	87658
LCS 880-87658/2-A	Lab Control Sample	Soluble	Solid	300.0	87658
LCSD 880-87658/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	87658
880-46889-1 MS	H-1 (0-1")	Soluble	Solid	300.0	87658
880-46889-1 MSD	H-1 (0-1")	Soluble	Solid	300.0	87658

Lab Chronicle

Client: Carmona Resources
Project/Site: Norman B - 07.31.2024

Job ID: 880-46889-1
SDG: Lea County, NM

Client Sample ID: H-1 (0-1")
Date Collected: 08/02/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46889-1
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			5.01 g	5 mL	87616	08/06/24 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87664	08/06/24 22:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87774	08/06/24 22:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			87880	08/08/24 03:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	87592	08/06/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87745	08/08/24 03:42	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87658	08/06/24 14:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87682	08/07/24 19:03	CH	EET MID

Client Sample ID: H-2 (0-1")
Date Collected: 08/02/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46889-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	87616	08/06/24 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87664	08/06/24 23:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87774	08/06/24 23:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			87880	08/08/24 03:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	87592	08/06/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87745	08/08/24 03:57	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	87658	08/06/24 14:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87682	08/07/24 19:21	CH	EET MID

Client Sample ID: H-3 (0-1")
Date Collected: 08/02/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46889-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	87616	08/06/24 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87664	08/06/24 23:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87774	08/06/24 23:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			87880	08/08/24 04:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87592	08/06/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87745	08/08/24 04:30	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87658	08/06/24 14:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87682	08/07/24 19:27	CH	EET MID

Client Sample ID: H-4 (0-1")
Date Collected: 08/02/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46889-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	87616	08/06/24 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87664	08/06/24 23:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87774	08/06/24 23:49	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Norman B - 07.31.2024

Job ID: 880-46889-1
SDG: Lea County, NM

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

Date Collected: 08/02/24 00:00

Date Received: 08/05/24 14:10

Lab Sample ID: 880-46889-4

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			87880	08/08/24 04:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	87592	08/06/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87745	08/08/24 04:46	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87658	08/06/24 14:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87682	08/07/24 19:33	CH	EET MID

Client Sample ID: H-5 (0-1")

Date Collected: 08/02/24 00:00

Date Received: 08/05/24 14:10

Lab Sample ID: 880-46889-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	87616	08/06/24 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87664	08/07/24 00:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87774	08/07/24 00:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			87880	08/08/24 05:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	87592	08/06/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87745	08/08/24 05:02	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	87658	08/06/24 14:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87682	08/07/24 19:39	CH	EET MID

Client Sample ID: H-6 (0-1")

Date Collected: 08/02/24 00:00

Date Received: 08/05/24 14:10

Lab Sample ID: 880-46889-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	87616	08/06/24 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87664	08/07/24 00:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87774	08/07/24 00:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			87880	08/08/24 05:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87592	08/06/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87745	08/08/24 05:18	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87658	08/06/24 14:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87682	08/07/24 19:57	CH	EET MID

Client Sample ID: H-7 (0-1")

Date Collected: 08/02/24 00:00

Date Received: 08/05/24 14:10

Lab Sample ID: 880-46889-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	87616	08/06/24 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87664	08/07/24 00:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87774	08/07/24 00:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			87880	08/08/24 05:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87592	08/06/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87745	08/08/24 05:34	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Norman B - 07.31.2024

Job ID: 880-46889-1
SDG: Lea County, NM

Client Sample ID: H-7 (0-1")
Date Collected: 08/02/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46889-7
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			5.01 g	50 mL	87658	08/06/24 14:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87682	08/07/24 20:03	CH	EET MID

Client Sample ID: H-8 (0-1")
Date Collected: 08/02/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46889-8
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			5.01 g	5 mL	87616	08/06/24 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87664	08/07/24 01:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87774	08/07/24 01:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			87880	08/08/24 05:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87592	08/06/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87745	08/08/24 05:50	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	87658	08/06/24 14:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87682	08/07/24 20:09	CH	EET MID

Client Sample ID: H-9 (0-1")
Date Collected: 08/02/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46889-9
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			5.00 g	5 mL	87616	08/06/24 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87664	08/07/24 01:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87774	08/07/24 01:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			87880	08/08/24 06:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	87592	08/06/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87745	08/08/24 06:06	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	87658	08/06/24 14:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87682	08/07/24 20:15	CH	EET MID

Client Sample ID: H-10 (0-1")
Date Collected: 08/02/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46889-10
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	87616	08/06/24 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87664	08/07/24 01:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87774	08/07/24 01:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			87880	08/08/24 06:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87592	08/06/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87745	08/08/24 06:22	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87658	08/06/24 14:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87682	08/07/24 20:21	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Norman B - 07.31.2024

Job ID: 880-46889-1
SDG: Lea County, NM

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Norman B - 07.31.2024

Job ID: 880-46889-1
SDG: Lea County, NM

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: Norman B - 07.31.2024

Job ID: 880-46889-1
SDG: Lea County, NM

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: Norman B - 07.31.2024

Job ID: 880-46889-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-46889-1	H-1 (0-1")	Solid	08/02/24 00:00	08/05/24 14:10
880-46889-2	H-2 (0-1")	Solid	08/02/24 00:00	08/05/24 14:10
880-46889-3	H-3 (0-1")	Solid	08/02/24 00:00	08/05/24 14:10
880-46889-4	H-4 (0-1")	Solid	08/02/24 00:00	08/05/24 14:10
880-46889-5	H-5 (0-1")	Solid	08/02/24 00:00	08/05/24 14:10
880-46889-6	H-6 (0-1")	Solid	08/02/24 00:00	08/05/24 14:10
880-46889-7	H-7 (0-1")	Solid	08/02/24 00:00	08/05/24 14:10
880-46889-8	H-8 (0-1")	Solid	08/02/24 00:00	08/05/24 14:10
880-46889-9	H-9 (0-1")	Solid	08/02/24 00:00	08/05/24 14:10
880-46889-10	H-10 (0-1")	Solid	08/02/24 00:00	08/05/24 14:10

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Chain of Custody

Wo



880-46889 Chain of Custody

Page 1 of 1

Project Manager: Ashton Thielke		Bill to: (if different)		Carmona Resources	
Company Name: Carmona Resources		Company Name:			
Address: 310 West Wall Ste. 500		Address:			
City, State ZIP: Midland, TX 79701		City, State ZIP:			
Phone: 432-813-8988		Email: thielke@carmonaresources.com			

Project Name: Norman B - 07.31.2024		Turn Around		Pres. Code	
Project Number: 2487		☒ Routine ☐ Rush			
Project Location: Lea County, NM		Due Date:		Normal	
Sampler's Name: JM					
PO #:					

SAMPLE RECEIPT										ANALYSIS REQUEST										Preservative Codes															
Received Intact:		Temp Blank:		Yes		No		Wet Ice:		Yes		No		Thermometer ID:		Correction Factor:		Temperature Reading:		Corrected Temperature:		Parameters		BTEX 8021B		TPH 8015M (GRO + DRO + MRO)		Chloride 300.0		HOLD		Sample Comments			
H-1 (0-1')	8/2/2024	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	None: NO	DI Water: H ₂ O
H-2 (0-1')	8/2/2024	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Cool: Cool	MeOH: Me
H-3 (0-1')	8/2/2024	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	HCL: HC	HNO ₃ : HN		
H-4 (0-1')	8/2/2024	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	H ₂ SO ₄ : H ₂	NaOH: Na		
H-5 (0-1')	8/2/2024	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	H ₃ PO ₄ : HP			
H-6 (0-1')	8/2/2024	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	NaHSO ₄ : NABIS			
H-7 (0-1')	8/2/2024	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Na ₂ S ₂ O ₃ : NaSO ₃			
H-8 (0-1')	8/2/2024	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Zn Acetate+NaOH: Zn			
H-9 (0-1')	8/2/2024	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	NaOH+Ascorbic Acid: SAPC			
H-10 (0-1')	8/2/2024	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No				

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>Cale Moehring</i>	<i>[Signature]</i>	8-5-24 14:02			
3					
5					

Revised Date 06/10/2020 Rev. 2020.1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-46889-1
SDG Number: Lea County, NM

Login Number: 46889
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: Ashton Thielke
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 8/13/2024 2:05:00 PM

JOB DESCRIPTION

Norman B- 07.31.2024
Lea County, NM

JOB NUMBER

880-47007-1

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
8/13/2024 2:05:00 PM

Authorized for release by
Jessica Kramer, Project Manager
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(432)704-5440

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Laboratory Job ID: 880-47007-1
SDG: Lea County, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	6
Client Sample Results	9
Surrogate Summary	52
QC Sample Results	56
QC Association Summary	72
Lab Chronicle	85
Certification Summary	103
Method Summary	104
Sample Summary	105
Chain of Custody	107
Receipt Checklists	113

1

2

3

4

5

6

7

8

9

10

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12

13

14

Definitions/Glossary

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD 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
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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
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)

Definitions/Glossary

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Case Narrative

Client: Carmona Resources
Project: Norman B- 07.31.2024

Job ID: 880-47007-1

Job ID: 880-47007-1

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Job Narrative
880-47007-1

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 8/7/2024 4:20 PM. 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 4.1°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-1.0') (880-47007-1), S-1 (1.5') (880-47007-2), S-1 (2.0') (880-47007-3), S-1 (3.0') (880-47007-4), S-2 (0-1.0') (880-47007-5), S-2 (1.5') (880-47007-6), S-2 (2.0') (880-47007-7), S-2 (3.0') (880-47007-8), S-2 (4.0') (880-47007-9), S-3 (0-1.0') (880-47007-10), S-3 (1.5') (880-47007-11), S-3 (2.0') (880-47007-12), S-3 (3.0') (880-47007-13), S-3 (4.0') (880-47007-14), S-4 (0-1.0') (880-47007-15), S-4 (1.5') (880-47007-16), S-4 (2.0') (880-47007-17), S-4 (3.0') (880-47007-18), S-4 (4.0') (880-47007-19), S-4 (5.0') (880-47007-20), S-5 (0-1.0') (880-47007-21), S-5 (1.5') (880-47007-22), S-5 (2.0') (880-47007-23), S-5 (3.0') (880-47007-24), S-5 (4.0') (880-47007-25), S-6 (0-1.0') (880-47007-26), S-6 (1.5') (880-47007-27), S-6 (2.0') (880-47007-28), S-7 (0-1.0') (880-47007-29), S-7 (1.5') (880-47007-30), S-7 (2.0') (880-47007-31), S-7 (3.0') (880-47007-32), S-7 (4.0') (880-47007-33), S-7 (5.0') (880-47007-34), S-8 (0-1.0') (880-47007-35), S-8 (1.5') (880-47007-36), S-8 (2.0') (880-47007-37), S-8 (3.0') (880-47007-38), S-8 (4.0') (880-47007-39), S-9 (0-1.0') (880-47007-40), S-9 (1.5') (880-47007-41), S-9 (2.0') (880-47007-42), S-9 (3.0') (880-47007-43), S-9 (4.0') (880-47007-44), S-9 (5.0') (880-47007-45), S-10 (0-1.0') (880-47007-46), S-10 (1.5') (880-47007-47), S-10 (2.0') (880-47007-48), S-10 (3.0') (880-47007-49), S-10 (4.0') (880-47007-50), S-10 (5.0') (880-47007-51), S-11 (0-1.0') (880-47007-52), S-11 (1.5') (880-47007-53), S-11 (2.0') (880-47007-54), S-11 (3.0') (880-47007-55), S-11 (4.0') (880-47007-56) and S-11 (5.0') (880-47007-57).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-87923 and analytical batch 880-88081 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: S-9 (1.5') (880-47007-41). Evidence of matrix interferences is not obvious.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-87908 and 880-87910 and analytical batch 880-87964 was outside the upper control limits.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-87908 and analytical batch 880-87964 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.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-87916 and 880-87924 and analytical batch 880-88135 was outside the upper control limits.

Method 8021B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 880-87916 and analytical batch 880-88135 recovered outside control limits for the following analytes: o-Xylene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-88135 recovered above the upper control

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Case Narrative

Client: Carmona Resources
Project: Norman B- 07.31.2024

Job ID: 880-47007-1

Job ID: 880-47007-1 (Continued)

Eurofins Midland

limit for o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-88135/51).

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 880-87921 and analytical batch 880-88019 was outside the upper control limits.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-87921 and analytical batch 880-88019 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.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCSD 880-87921/3-A), (880-47007-A-46-D MS) and (880-47007-A-46-E MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-88019 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015MOD_NM: The method blank for preparation batch 880-87748 and analytical batch 880-88090 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL) in the method blank; therefore, re-extraction / re-analysis of samples was not performed.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-88090 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-6 (1.5') (880-47007-27), S-6 (2.0') (880-47007-28), S-7 (1.5') (880-47007-30), S-7 (4.0') (880-47007-33), S-8 (0-1.0') (880-47007-35), S-8 (1.5') (880-47007-36), S-8 (3.0') (880-47007-38), S-9 (0-1.0') (880-47007-40), S-9 (2.0') (880-47007-42), S-9 (3.0') (880-47007-43) and S-9 (4.0') (880-47007-44). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-87845 and analytical batch 880-87953 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 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-2 (0-1.0') (880-47007-5), S-2 (1.5') (880-47007-6), S-2 (2.0') (880-47007-7), S-2 (3.0') (880-47007-8), S-2 (4.0') (880-47007-9), S-3 (0-1.0') (880-47007-10), S-3 (1.5') (880-47007-11), S-3 (2.0') (880-47007-12), S-3 (3.0') (880-47007-13), S-3 (4.0') (880-47007-14), S-4 (0-1.0') (880-47007-15), S-4 (1.5') (880-47007-16), S-4 (2.0') (880-47007-17), S-4 (3.0') (880-47007-18), S-4 (4.0') (880-47007-19), S-4 (5.0') (880-47007-20), S-5 (0-1.0') (880-47007-21), S-5 (1.5') (880-47007-22), S-5 (2.0') (880-47007-23) and S-5 (3.0') (880-47007-24). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-87842 and analytical batch 880-87951 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.

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 Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-87864 and analytical batch 880-87938 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.

The associated samples are: S-5 (0-1.0') (880-47007-21), S-5 (1.5') (880-47007-22), S-5 (2.0') (880-47007-23), S-5 (3.0') (880-47007-24), S-5 (4.0') (880-47007-25), S-6 (0-1.0') (880-47007-26), S-6 (1.5') (880-47007-27), S-6 (2.0') (880-47007-28),

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Case Narrative

Client: Carmona Resources
Project: Norman B- 07.31.2024

Job ID: 880-47007-1

Job ID: 880-47007-1 (Continued) Eurofins Midland

S-7 (0-1.0') (880-47007-29), S-7 (1.5') (880-47007-30), (880-47007-A-21-C MS) and (880-47007-A-21-D MSD).

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-87863 and analytical batch 880-87937 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 880-87863 and analytical batch 880-87937 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 880-87865 and analytical batch 880-87945 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-1 (0-1.0')

Lab Sample ID: 880-47007-1

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 13:14	08/13/24 00:24	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/08/24 13:14	08/13/24 00:24	1
Ethylbenzene	<0.00202	U F1	0.00202		mg/Kg		08/08/24 13:14	08/13/24 00:24	1
m-Xylene & p-Xylene	<0.00404	U F1	0.00404		mg/Kg		08/08/24 13:14	08/13/24 00:24	1
o-Xylene	<0.00202	U *+	0.00202		mg/Kg		08/08/24 13:14	08/13/24 00:24	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/08/24 13:14	08/13/24 00:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	08/08/24 13:14	08/13/24 00:24	1
1,4-Difluorobenzene (Surr)	100		70 - 130	08/08/24 13:14	08/13/24 00:24	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			08/13/24 00:24	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			08/11/24 05:03	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	<49.8	U	49.8		mg/Kg		08/07/24 12:48	08/11/24 05:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/07/24 12:48	08/11/24 05:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/07/24 12:48	08/11/24 05:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	08/07/24 12:48	08/11/24 05:03	1
o-Terphenyl	114		70 - 130	08/07/24 12:48	08/11/24 05:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	387	F1	5.04		mg/Kg			08/09/24 19:39	1

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-47007-2

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 13:14	08/13/24 00:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:14	08/13/24 00:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:14	08/13/24 00:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/08/24 13:14	08/13/24 00:45	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		08/08/24 13:14	08/13/24 00:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/08/24 13:14	08/13/24 00:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	08/08/24 13:14	08/13/24 00:45	1
1,4-Difluorobenzene (Surr)	116		70 - 130	08/08/24 13:14	08/13/24 00:45	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-47007-2

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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			08/13/24 00:45	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			08/11/24 05:19	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	<50.0	U	50.0		mg/Kg		08/07/24 12:48	08/11/24 05:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/07/24 12:48	08/11/24 05:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/07/24 12:48	08/11/24 05:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				08/07/24 12:48	08/11/24 05:19	1
o-Terphenyl	122		70 - 130				08/07/24 12:48	08/11/24 05:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		5.03		mg/Kg			08/09/24 20:37	1

Client Sample ID: S-1 (2.0')

Lab Sample ID: 880-47007-3

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 13:14	08/13/24 01:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:14	08/13/24 01:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:14	08/13/24 01:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/08/24 13:14	08/13/24 01:05	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/08/24 13:14	08/13/24 01:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/08/24 13:14	08/13/24 01:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				08/08/24 13:14	08/13/24 01:05	1
1,4-Difluorobenzene (Surr)	115		70 - 130				08/08/24 13:14	08/13/24 01:05	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			08/13/24 01:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/11/24 05:36	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	<49.7	U	49.7		mg/Kg		08/07/24 12:48	08/11/24 05:36	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/07/24 12:48	08/11/24 05:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-1 (2.0')

Lab Sample ID: 880-47007-3

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/07/24 12:48	08/11/24 05:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				08/07/24 12:48	08/11/24 05:36	1
o-Terphenyl	120		70 - 130				08/07/24 12:48	08/11/24 05:36	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.9		5.05		mg/Kg			08/09/24 20:42	1

Client Sample ID: S-1 (3.0')

Lab Sample ID: 880-47007-4

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 13:14	08/13/24 01:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/08/24 13:14	08/13/24 01:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/08/24 13:14	08/13/24 01:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/08/24 13:14	08/13/24 01:26	1
o-Xylene	<0.00201	U *	0.00201		mg/Kg		08/08/24 13:14	08/13/24 01:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/08/24 13:14	08/13/24 01:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				08/08/24 13:14	08/13/24 01:26	1
1,4-Difluorobenzene (Surr)	114		70 - 130				08/08/24 13:14	08/13/24 01:26	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			08/13/24 01:26	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			08/11/24 05:52	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		08/07/24 12:48	08/11/24 05:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/07/24 12:48	08/11/24 05:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/07/24 12:48	08/11/24 05:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				08/07/24 12:48	08/11/24 05:52	1
o-Terphenyl	117		70 - 130				08/07/24 12:48	08/11/24 05:52	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.7		4.97		mg/Kg			08/09/24 19:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-2 (0-1.0')

Lab Sample ID: 880-47007-5

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 13:14	08/13/24 01:46	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/08/24 13:14	08/13/24 01:46	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/08/24 13:14	08/13/24 01:46	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/08/24 13:14	08/13/24 01:46	1
o-Xylene	<0.00202	U **	0.00202		mg/Kg		08/08/24 13:14	08/13/24 01:46	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/08/24 13:14	08/13/24 01:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	08/08/24 13:14	08/13/24 01:46	1
1,4-Difluorobenzene (Surr)	120		70 - 130	08/08/24 13:14	08/13/24 01:46	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			08/13/24 01:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	572		50.0		mg/Kg			08/09/24 10:37	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		08/08/24 09:47	08/09/24 10:37	1
Diesel Range Organics (Over C10-C28)	572	F1	50.0		mg/Kg		08/08/24 09:47	08/09/24 10:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/08/24 09:47	08/09/24 10:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	08/08/24 09:47	08/09/24 10:37	1
o-Terphenyl	141	S1+	70 - 130	08/08/24 09:47	08/09/24 10:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			08/09/24 20:00	1

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-47007-6

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 13:14	08/13/24 02:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/08/24 13:14	08/13/24 02:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/08/24 13:14	08/13/24 02:07	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/08/24 13:14	08/13/24 02:07	1
o-Xylene	<0.00201	U **	0.00201		mg/Kg		08/08/24 13:14	08/13/24 02:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/08/24 13:14	08/13/24 02:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	08/08/24 13:14	08/13/24 02:07	1
1,4-Difluorobenzene (Surr)	113		70 - 130	08/08/24 13:14	08/13/24 02:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-47007-6

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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			08/13/24 02:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.4		49.8		mg/Kg			08/09/24 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	<49.8	U	49.8		mg/Kg		08/08/24 09:47	08/09/24 11:40	1
Diesel Range Organics (Over C10-C28)	51.4		49.8		mg/Kg		08/08/24 09:47	08/09/24 11:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/08/24 09:47	08/09/24 11:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				08/08/24 09:47	08/09/24 11:40	1
o-Terphenyl	145	S1+	70 - 130				08/08/24 09:47	08/09/24 11:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.7		5.04		mg/Kg			08/09/24 20:05	1

Client Sample ID: S-2 (2.0')

Lab Sample ID: 880-47007-7

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 13:14	08/13/24 02:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:14	08/13/24 02:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:14	08/13/24 02:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/08/24 13:14	08/13/24 02:27	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/08/24 13:14	08/13/24 02:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/08/24 13:14	08/13/24 02:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				08/08/24 13:14	08/13/24 02:27	1
1,4-Difluorobenzene (Surr)	118		70 - 130				08/08/24 13:14	08/13/24 02:27	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			08/13/24 02:27	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			08/09/24 12:01	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	<50.0	U	50.0		mg/Kg		08/08/24 09:47	08/09/24 12:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/08/24 09:47	08/09/24 12:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-2 (2.0')

Lab Sample ID: 880-47007-7

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 09:47	08/09/24 12:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				08/08/24 09:47	08/09/24 12:01	1
o-Terphenyl	148	S1+	70 - 130				08/08/24 09:47	08/09/24 12:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	724		5.04		mg/Kg			08/09/24 20:10	1

Client Sample ID: S-2 (3.0')

Lab Sample ID: 880-47007-8

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 13:14	08/13/24 02:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/08/24 13:14	08/13/24 02:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/08/24 13:14	08/13/24 02:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/08/24 13:14	08/13/24 02:48	1
o-Xylene	<0.00199	U *	0.00199		mg/Kg		08/08/24 13:14	08/13/24 02:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/08/24 13:14	08/13/24 02:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				08/08/24 13:14	08/13/24 02:48	1
1,4-Difluorobenzene (Surr)	114		70 - 130				08/08/24 13:14	08/13/24 02:48	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			08/13/24 02:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	96.3		49.8		mg/Kg			08/09/24 12:21	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	<49.8	U	49.8		mg/Kg		08/08/24 09:47	08/09/24 12:21	1
Diesel Range Organics (Over C10-C28)	96.3		49.8		mg/Kg		08/08/24 09:47	08/09/24 12:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/08/24 09:47	08/09/24 12:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				08/08/24 09:47	08/09/24 12:21	1
o-Terphenyl	149	S1+	70 - 130				08/08/24 09:47	08/09/24 12:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	127		5.04		mg/Kg			08/09/24 20:26	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-2 (4.0')

Lab Sample ID: 880-47007-9

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 13:14	08/13/24 03:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:14	08/13/24 03:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:14	08/13/24 03:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/08/24 13:14	08/13/24 03:08	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/08/24 13:14	08/13/24 03:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/08/24 13:14	08/13/24 03:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	08/08/24 13:14	08/13/24 03:08	1
1,4-Difluorobenzene (Surr)	116		70 - 130	08/08/24 13:14	08/13/24 03:08	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			08/13/24 03:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/09/24 12:41	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		08/08/24 09:47	08/09/24 12:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/08/24 09:47	08/09/24 12:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/08/24 09:47	08/09/24 12:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	08/08/24 09:47	08/09/24 12:41	1
o-Terphenyl	147	S1+	70 - 130	08/08/24 09:47	08/09/24 12:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.7		4.95		mg/Kg			08/09/24 20:31	1

Client Sample ID: S-3 (0-1.0')

Lab Sample ID: 880-47007-10

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 13:14	08/13/24 03:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/08/24 13:14	08/13/24 03:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/08/24 13:14	08/13/24 03:28	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/08/24 13:14	08/13/24 03:28	1
o-Xylene	<0.00202	U **	0.00202		mg/Kg		08/08/24 13:14	08/13/24 03:28	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/08/24 13:14	08/13/24 03:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	08/08/24 13:14	08/13/24 03:28	1
1,4-Difluorobenzene (Surr)	122		70 - 130	08/08/24 13:14	08/13/24 03:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-3 (0-1.0')

Lab Sample ID: 880-47007-10

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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			08/13/24 03:28	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			08/09/24 13:01	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	49.8		mg/Kg		08/08/24 09:47	08/09/24 13:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/08/24 09:47	08/09/24 13:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/08/24 09:47	08/09/24 13:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				08/08/24 09:47	08/09/24 13:01	1
o-Terphenyl	167	S1+	70 - 130				08/08/24 09:47	08/09/24 13:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4420		24.8		mg/Kg			08/09/24 20:47	5

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-47007-11

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 13:14	08/13/24 05:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:14	08/13/24 05:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:14	08/13/24 05:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/08/24 13:14	08/13/24 05:19	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/08/24 13:14	08/13/24 05:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/08/24 13:14	08/13/24 05:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				08/08/24 13:14	08/13/24 05:19	1
1,4-Difluorobenzene (Surr)	109		70 - 130				08/08/24 13:14	08/13/24 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			08/13/24 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	<49.7	U	49.7		mg/Kg			08/09/24 13:21	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	<49.7	U	49.7		mg/Kg		08/08/24 09:47	08/09/24 13:21	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/08/24 09:47	08/09/24 13:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-3 (1.5')
Date Collected: 08/07/24 00:00
Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-11
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		08/08/24 09:47	08/09/24 13:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130				08/08/24 09:47	08/09/24 13:21	1
o-Terphenyl	165	S1+	70 - 130				08/08/24 09:47	08/09/24 13:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1140		5.03		mg/Kg			08/09/24 20:52	1

Client Sample ID: S-3 (2.0')
Date Collected: 08/07/24 00:00
Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-12
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:14	08/13/24 05:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:14	08/13/24 05:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:14	08/13/24 05:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/08/24 13:14	08/13/24 05:39	1
o-Xylene	<0.00200	U *	0.00200		mg/Kg		08/08/24 13:14	08/13/24 05:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/08/24 13:14	08/13/24 05:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				08/08/24 13:14	08/13/24 05:39	1
1,4-Difluorobenzene (Surr)	117		70 - 130				08/08/24 13:14	08/13/24 05:39	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			08/13/24 05:39	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			08/09/24 13:42	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		08/08/24 09:47	08/09/24 13:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/08/24 09:47	08/09/24 13:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/08/24 09:47	08/09/24 13:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130				08/08/24 09:47	08/09/24 13:42	1
o-Terphenyl	168	S1+	70 - 130				08/08/24 09:47	08/09/24 13:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.2		4.98		mg/Kg			08/09/24 21:08	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-3 (3.0')

Lab Sample ID: 880-47007-13

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 13:14	08/13/24 06:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/08/24 13:14	08/13/24 06:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/08/24 13:14	08/13/24 06:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/08/24 13:14	08/13/24 06:00	1
o-Xylene	<0.00201	U **	0.00201		mg/Kg		08/08/24 13:14	08/13/24 06:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/08/24 13:14	08/13/24 06:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				08/08/24 13:14	08/13/24 06:00	1
1,4-Difluorobenzene (Surr)	115		70 - 130				08/08/24 13:14	08/13/24 06:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/13/24 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	<49.9	U	49.9		mg/Kg			08/09/24 14:02	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	<49.9	U	49.9		mg/Kg		08/08/24 09:47	08/09/24 14:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/08/24 09:47	08/09/24 14:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/08/24 09:47	08/09/24 14:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				08/08/24 09:47	08/09/24 14:02	1
o-Terphenyl	140	S1+	70 - 130				08/08/24 09:47	08/09/24 14:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.8		4.98		mg/Kg			08/09/24 21:13	1

Client Sample ID: S-3 (4.0')

Lab Sample ID: 880-47007-14

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 13:14	08/13/24 06:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:14	08/13/24 06:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:14	08/13/24 06:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/08/24 13:14	08/13/24 06:20	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/08/24 13:14	08/13/24 06:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/08/24 13:14	08/13/24 06:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				08/08/24 13:14	08/13/24 06:20	1
1,4-Difluorobenzene (Surr)	116		70 - 130				08/08/24 13:14	08/13/24 06:20	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-3 (4.0')

Lab Sample ID: 880-47007-14

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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			08/13/24 06:20	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			08/09/24 14:22	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		08/08/24 09:47	08/09/24 14:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/08/24 09:47	08/09/24 14:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/08/24 09:47	08/09/24 14:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				08/08/24 09:47	08/09/24 14:22	1
o-Terphenyl	146	S1+	70 - 130				08/08/24 09:47	08/09/24 14:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.5		4.99		mg/Kg			08/09/24 21:29	1

Client Sample ID: S-4 (0-1.0')

Lab Sample ID: 880-47007-15

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 13:14	08/13/24 06:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:14	08/13/24 06:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:14	08/13/24 06:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/08/24 13:14	08/13/24 06:41	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/08/24 13:14	08/13/24 06:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/08/24 13:14	08/13/24 06:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				08/08/24 13:14	08/13/24 06:41	1
1,4-Difluorobenzene (Surr)	114		70 - 130				08/08/24 13:14	08/13/24 06:41	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			08/13/24 06:41	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			08/09/24 15:03	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		08/08/24 09:47	08/09/24 15:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/08/24 09:47	08/09/24 15:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-4 (0-1.0')

Lab Sample ID: 880-47007-15

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 09:47	08/09/24 15:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				08/08/24 09:47	08/09/24 15:03	1
o-Terphenyl	152	S1+	70 - 130				08/08/24 09:47	08/09/24 15:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2480		24.9		mg/Kg			08/09/24 21:34	5

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-47007-16

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 13:14	08/13/24 07:01	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/08/24 13:14	08/13/24 07:01	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/08/24 13:14	08/13/24 07:01	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/08/24 13:14	08/13/24 07:01	1
o-Xylene	<0.00202	U **	0.00202		mg/Kg		08/08/24 13:14	08/13/24 07:01	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/08/24 13:14	08/13/24 07:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				08/08/24 13:14	08/13/24 07:01	1
1,4-Difluorobenzene (Surr)	117		70 - 130				08/08/24 13:14	08/13/24 07:01	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			08/13/24 07:01	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			08/09/24 15:23	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	<49.8	U	49.8		mg/Kg		08/08/24 09:47	08/09/24 15:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/08/24 09:47	08/09/24 15:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/08/24 09:47	08/09/24 15:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				08/08/24 09:47	08/09/24 15:23	1
o-Terphenyl	155	S1+	70 - 130				08/08/24 09:47	08/09/24 15:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2310		25.3		mg/Kg			08/09/24 21:40	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-4 (2.0')

Lab Sample ID: 880-47007-17

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 13:14	08/13/24 07:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/08/24 13:14	08/13/24 07:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/08/24 13:14	08/13/24 07:21	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/08/24 13:14	08/13/24 07:21	1
o-Xylene	<0.00202	U **	0.00202		mg/Kg		08/08/24 13:14	08/13/24 07:21	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/08/24 13:14	08/13/24 07:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	08/08/24 13:14	08/13/24 07:21	1
1,4-Difluorobenzene (Surr)	113		70 - 130	08/08/24 13:14	08/13/24 07:21	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			08/13/24 07:21	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			08/09/24 15:43	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		08/08/24 09:47	08/09/24 15:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/08/24 09:47	08/09/24 15:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/08/24 09:47	08/09/24 15:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130	08/08/24 09:47	08/09/24 15:43	1
o-Terphenyl	159	S1+	70 - 130	08/08/24 09:47	08/09/24 15:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3840		25.2		mg/Kg			08/09/24 21:45	5

Client Sample ID: S-4 (3.0')

Lab Sample ID: 880-47007-18

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 13:14	08/13/24 07:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:14	08/13/24 07:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:14	08/13/24 07:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/08/24 13:14	08/13/24 07:42	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/08/24 13:14	08/13/24 07:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/08/24 13:14	08/13/24 07:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	08/08/24 13:14	08/13/24 07:42	1
1,4-Difluorobenzene (Surr)	117		70 - 130	08/08/24 13:14	08/13/24 07:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-4 (3.0')

Lab Sample ID: 880-47007-18

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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			08/13/24 07:42	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			08/09/24 16:04	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	<49.7	U	49.7		mg/Kg		08/08/24 09:47	08/09/24 16:04	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/08/24 09:47	08/09/24 16:04	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/08/24 09:47	08/09/24 16:04	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	113		70 - 130				08/08/24 09:47	08/09/24 16:04	1	
o-Terphenyl	139	S1+	70 - 130				08/08/24 09:47	08/09/24 16:04	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	3940		25.1		mg/Kg			08/09/24 21:50	5	

Client Sample ID: S-4 (4.0')

Lab Sample ID: 880-47007-19

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 13:14	08/13/24 08:02	1	
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:14	08/13/24 08:02	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:14	08/13/24 08:02	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/08/24 13:14	08/13/24 08:02	1	
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/08/24 13:14	08/13/24 08:02	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/08/24 13:14	08/13/24 08:02	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	110		70 - 130				08/08/24 13:14	08/13/24 08:02	1	
1,4-Difluorobenzene (Surr)	114		70 - 130				08/08/24 13:14	08/13/24 08:02	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			08/13/24 08:02	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.7	U	49.7		mg/Kg			08/09/24 16:24	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		08/08/24 09:47	08/09/24 16:24	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/08/24 09:47	08/09/24 16:24	1	

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-4 (4.0')

Lab Sample ID: 880-47007-19

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 09:47	08/09/24 16:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				08/08/24 09:47	08/09/24 16:24	1
o-Terphenyl	150	S1+	70 - 130				08/08/24 09:47	08/09/24 16:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2550		24.9		mg/Kg			08/09/24 21:55	5

Client Sample ID: S-4 (5.0')

Lab Sample ID: 880-47007-20

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 13:14	08/13/24 08:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/08/24 13:14	08/13/24 08:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/08/24 13:14	08/13/24 08:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/08/24 13:14	08/13/24 08:23	1
o-Xylene	<0.00201	U **	0.00201		mg/Kg		08/08/24 13:14	08/13/24 08:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/08/24 13:14	08/13/24 08:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				08/08/24 13:14	08/13/24 08:23	1
1,4-Difluorobenzene (Surr)	113		70 - 130				08/08/24 13:14	08/13/24 08:23	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			08/13/24 08:23	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			08/09/24 16:44	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	<50.0	U	50.0		mg/Kg		08/08/24 09:47	08/09/24 16:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/08/24 09:47	08/09/24 16:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/08/24 09:47	08/09/24 16:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130				08/08/24 09:47	08/09/24 16:44	1
o-Terphenyl	174	S1+	70 - 130				08/08/24 09:47	08/09/24 16:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.6		5.03		mg/Kg			08/09/24 22:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-5 (0-1.0')

Lab Sample ID: 880-47007-21

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 14:22	08/10/24 19:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/08/24 14:22	08/10/24 19:21	1
Ethylbenzene	<0.00202	U F1	0.00202		mg/Kg		08/08/24 14:22	08/10/24 19:21	1
m-Xylene & p-Xylene	<0.00404	U F1	0.00404		mg/Kg		08/08/24 14:22	08/10/24 19:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/08/24 14:22	08/10/24 19:21	1
Xylenes, Total	<0.00404	U F1	0.00404		mg/Kg		08/08/24 14:22	08/10/24 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	08/08/24 14:22	08/10/24 19:21	1
1,4-Difluorobenzene (Surr)	97		70 - 130	08/08/24 14:22	08/10/24 19:21	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			08/10/24 19:21	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			08/09/24 17:05	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		08/08/24 09:47	08/09/24 17:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/08/24 09:47	08/09/24 17:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/08/24 09:47	08/09/24 17:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	08/08/24 09:47	08/09/24 17:05	1
o-Terphenyl	160	S1+	70 - 130	08/08/24 09:47	08/09/24 17:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3540	F1	24.9		mg/Kg			08/09/24 08:55	5

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-47007-22

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 14:22	08/10/24 19:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/08/24 14:22	08/10/24 19:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/08/24 14:22	08/10/24 19:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/08/24 14:22	08/10/24 19:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/08/24 14:22	08/10/24 19:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/08/24 14:22	08/10/24 19:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	08/08/24 14:22	08/10/24 19:41	1
1,4-Difluorobenzene (Surr)	98		70 - 130	08/08/24 14:22	08/10/24 19:41	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-47007-22

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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			08/10/24 19:41	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			08/09/24 17:25	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	<49.8	U	49.8		mg/Kg		08/08/24 09:47	08/09/24 17:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/08/24 09:47	08/09/24 17:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/08/24 09:47	08/09/24 17:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				08/08/24 09:47	08/09/24 17:25	1
o-Terphenyl	156	S1+	70 - 130				08/08/24 09:47	08/09/24 17:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	655		4.99		mg/Kg			08/09/24 09:10	1

Client Sample ID: S-5 (2.0')

Lab Sample ID: 880-47007-23

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 14:22	08/10/24 20:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:22	08/10/24 20:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:22	08/10/24 20:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/08/24 14:22	08/10/24 20:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:22	08/10/24 20:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/08/24 14:22	08/10/24 20:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				08/08/24 14:22	08/10/24 20:02	1
1,4-Difluorobenzene (Surr)	98		70 - 130				08/08/24 14:22	08/10/24 20:02	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			08/10/24 20:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/09/24 17:45	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		08/08/24 09:47	08/09/24 17:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/08/24 09:47	08/09/24 17:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-5 (2.0')

Lab Sample ID: 880-47007-23

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 09:47	08/09/24 17:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				08/08/24 09:47	08/09/24 17:45	1
o-Terphenyl	146	S1+	70 - 130				08/08/24 09:47	08/09/24 17:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	239		4.97		mg/Kg			08/09/24 09:15	1

Client Sample ID: S-5 (3.0')

Lab Sample ID: 880-47007-24

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 14:22	08/10/24 20:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/08/24 14:22	08/10/24 20:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/08/24 14:22	08/10/24 20:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/08/24 14:22	08/10/24 20:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/08/24 14:22	08/10/24 20:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/08/24 14:22	08/10/24 20:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				08/08/24 14:22	08/10/24 20:22	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/08/24 14:22	08/10/24 20:22	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			08/10/24 20:22	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			08/09/24 18:05	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		08/08/24 09:47	08/09/24 18:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/08/24 09:47	08/09/24 18:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/08/24 09:47	08/09/24 18:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				08/08/24 09:47	08/09/24 18:05	1
o-Terphenyl	150	S1+	70 - 130				08/08/24 09:47	08/09/24 18:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	282		4.95		mg/Kg			08/09/24 09:21	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-5 (4.0')

Lab Sample ID: 880-47007-25

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 14:22	08/10/24 20:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/08/24 14:22	08/10/24 20:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/08/24 14:22	08/10/24 20:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/08/24 14:22	08/10/24 20:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/08/24 14:22	08/10/24 20:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/08/24 14:22	08/10/24 20:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	08/08/24 14:22	08/10/24 20:43	1
1,4-Difluorobenzene (Surr)	98		70 - 130	08/08/24 14:22	08/10/24 20:43	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			08/10/24 20:43	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			08/09/24 10:37	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 F2	50.0		mg/Kg		08/08/24 09:50	08/09/24 10:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		08/08/24 09:50	08/09/24 10:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/08/24 09:50	08/09/24 10:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	08/08/24 09:50	08/09/24 10:37	1
o-Terphenyl	124		70 - 130	08/08/24 09:50	08/09/24 10:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.8		4.98		mg/Kg			08/09/24 09:26	1

Client Sample ID: S-6 (0-1.0')

Lab Sample ID: 880-47007-26

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 14:22	08/10/24 21:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/08/24 14:22	08/10/24 21:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/08/24 14:22	08/10/24 21:03	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/08/24 14:22	08/10/24 21:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/08/24 14:22	08/10/24 21:03	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/08/24 14:22	08/10/24 21:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	08/08/24 14:22	08/10/24 21:03	1
1,4-Difluorobenzene (Surr)	98		70 - 130	08/08/24 14:22	08/10/24 21:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-6 (0-1.0')

Lab Sample ID: 880-47007-26

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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			08/10/24 21:03	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			08/09/24 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	<49.8	U	49.8		mg/Kg		08/08/24 09:50	08/09/24 11:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/08/24 09:50	08/09/24 11:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/08/24 09:50	08/09/24 11:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130				08/08/24 09:50	08/09/24 11:40	1
o-Terphenyl	78		70 - 130				08/08/24 09:50	08/09/24 11:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8620		50.5		mg/Kg			08/09/24 09:42	10

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-47007-27

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 14:22	08/10/24 21:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/08/24 14:22	08/10/24 21:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/08/24 14:22	08/10/24 21:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/08/24 14:22	08/10/24 21:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/08/24 14:22	08/10/24 21:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/08/24 14:22	08/10/24 21:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				08/08/24 14:22	08/10/24 21:24	1
1,4-Difluorobenzene (Surr)	98		70 - 130				08/08/24 14:22	08/10/24 21:24	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			08/10/24 21:24	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			08/09/24 12:01	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	<50.0	U	50.0		mg/Kg		08/08/24 09:50	08/09/24 12:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/08/24 09:50	08/09/24 12:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-47007-27

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 09:50	08/09/24 12:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				08/08/24 09:50	08/09/24 12:01	1
o-Terphenyl	135	S1+	70 - 130				08/08/24 09:50	08/09/24 12:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1150		5.04		mg/Kg			08/09/24 09:47	1

Client Sample ID: S-6 (2.0')

Lab Sample ID: 880-47007-28

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 14:22	08/10/24 21:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:22	08/10/24 21:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:22	08/10/24 21:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/08/24 14:22	08/10/24 21:44	1
o-Xylene	0.00439		0.00200		mg/Kg		08/08/24 14:22	08/10/24 21:44	1
Xylenes, Total	0.00439		0.00399		mg/Kg		08/08/24 14:22	08/10/24 21:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				08/08/24 14:22	08/10/24 21:44	1
1,4-Difluorobenzene (Surr)	101		70 - 130				08/08/24 14:22	08/10/24 21:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00439		0.00399		mg/Kg			08/10/24 21:44	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			08/09/24 12:21	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	<49.8	U	49.8		mg/Kg		08/08/24 09:50	08/09/24 12:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/08/24 09:50	08/09/24 12:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/08/24 09:50	08/09/24 12:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				08/08/24 09:50	08/09/24 12:21	1
o-Terphenyl	140	S1+	70 - 130				08/08/24 09:50	08/09/24 12:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.4		4.96		mg/Kg			08/09/24 10:23	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-7 (0-1.0')

Lab Sample ID: 880-47007-29

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 14:22	08/10/24 22:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:22	08/10/24 22:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:22	08/10/24 22:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/08/24 14:22	08/10/24 22:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:22	08/10/24 22:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/08/24 14:22	08/10/24 22:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	08/08/24 14:22	08/10/24 22:05	1
1,4-Difluorobenzene (Surr)	99		70 - 130	08/08/24 14:22	08/10/24 22:05	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			08/10/24 22:05	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			08/09/24 12:41	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		08/08/24 09:50	08/09/24 12:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/08/24 09:50	08/09/24 12:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/08/24 09:50	08/09/24 12:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	08/08/24 09:50	08/09/24 12:41	1
o-Terphenyl	120		70 - 130	08/08/24 09:50	08/09/24 12:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	823		5.03		mg/Kg			08/09/24 10:29	1

Client Sample ID: S-7 (1.5')

Lab Sample ID: 880-47007-30

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 14:22	08/10/24 22:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/08/24 14:22	08/10/24 22:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/08/24 14:22	08/10/24 22:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/08/24 14:22	08/10/24 22:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/08/24 14:22	08/10/24 22:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/08/24 14:22	08/10/24 22:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	08/08/24 14:22	08/10/24 22:25	1
1,4-Difluorobenzene (Surr)	97		70 - 130	08/08/24 14:22	08/10/24 22:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-7 (1.5')

Lab Sample ID: 880-47007-30

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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			08/10/24 22:25	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			08/09/24 13:01	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	<49.9	U	49.9		mg/Kg		08/08/24 09:50	08/09/24 13:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/08/24 09:50	08/09/24 13:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/08/24 09:50	08/09/24 13:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				08/08/24 09:50	08/09/24 13:01	1
o-Terphenyl	134	S1+	70 - 130				08/08/24 09:50	08/09/24 13:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		4.97		mg/Kg			08/09/24 10:34	1

Client Sample ID: S-7 (2.0')

Lab Sample ID: 880-47007-31

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 14:22	08/10/24 23:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/08/24 14:22	08/10/24 23:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/08/24 14:22	08/10/24 23:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/08/24 14:22	08/10/24 23:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/08/24 14:22	08/10/24 23:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/08/24 14:22	08/10/24 23:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				08/08/24 14:22	08/10/24 23:48	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/08/24 14:22	08/10/24 23:48	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			08/10/24 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	<49.8	U	49.8		mg/Kg			08/09/24 13:21	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	<49.8	U	49.8		mg/Kg		08/08/24 09:50	08/09/24 13:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/08/24 09:50	08/09/24 13:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-7 (2.0')

Lab Sample ID: 880-47007-31

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 09:50	08/09/24 13:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				08/08/24 09:50	08/09/24 13:21	1
o-Terphenyl	125		70 - 130				08/08/24 09:50	08/09/24 13:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.5		4.98		mg/Kg			08/09/24 10:39	1

Client Sample ID: S-7 (3.0')

Lab Sample ID: 880-47007-32

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 14:22	08/11/24 00:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:22	08/11/24 00:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:22	08/11/24 00:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/08/24 14:22	08/11/24 00:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:22	08/11/24 00:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/08/24 14:22	08/11/24 00:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				08/08/24 14:22	08/11/24 00:09	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/08/24 14:22	08/11/24 00:09	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			08/11/24 00:09	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			08/09/24 13:42	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		08/08/24 09:50	08/09/24 13:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/08/24 09:50	08/09/24 13:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/08/24 09:50	08/09/24 13:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				08/08/24 09:50	08/09/24 13:42	1
o-Terphenyl	126		70 - 130				08/08/24 09:50	08/09/24 13:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.8		4.97		mg/Kg			08/09/24 10:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-7 (4.0')

Lab Sample ID: 880-47007-33

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 14:22	08/11/24 00:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/08/24 14:22	08/11/24 00:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/08/24 14:22	08/11/24 00:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/08/24 14:22	08/11/24 00:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/08/24 14:22	08/11/24 00:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/08/24 14:22	08/11/24 00:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	08/08/24 14:22	08/11/24 00:29	1
1,4-Difluorobenzene (Surr)	96		70 - 130	08/08/24 14:22	08/11/24 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			08/11/24 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	<50.0	U	50.0		mg/Kg			08/09/24 14:02	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	<50.0	U	50.0		mg/Kg		08/08/24 09:50	08/09/24 14:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/08/24 09:50	08/09/24 14:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/08/24 09:50	08/09/24 14:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	08/08/24 09:50	08/09/24 14:02	1
o-Terphenyl	136	S1+	70 - 130	08/08/24 09:50	08/09/24 14:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.5		5.05		mg/Kg			08/09/24 11:00	1

Client Sample ID: S-7 (5.0')

Lab Sample ID: 880-47007-34

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 14:22	08/11/24 00:50	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/08/24 14:22	08/11/24 00:50	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/08/24 14:22	08/11/24 00:50	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/08/24 14:22	08/11/24 00:50	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/08/24 14:22	08/11/24 00:50	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/08/24 14:22	08/11/24 00:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	08/08/24 14:22	08/11/24 00:50	1
1,4-Difluorobenzene (Surr)	99		70 - 130	08/08/24 14:22	08/11/24 00:50	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-7 (5.0')

Lab Sample ID: 880-47007-34

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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			08/11/24 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			08/09/24 14:22	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		08/08/24 09:50	08/09/24 14:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/08/24 09:50	08/09/24 14:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/08/24 09:50	08/09/24 14:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				08/08/24 09:50	08/09/24 14:22	1
o-Terphenyl	123		70 - 130				08/08/24 09:50	08/09/24 14:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		4.97		mg/Kg			08/09/24 11:16	1

Client Sample ID: S-8 (0-1.0')

Lab Sample ID: 880-47007-35

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 14:22	08/11/24 01:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:22	08/11/24 01:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:22	08/11/24 01:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/08/24 14:22	08/11/24 01:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:22	08/11/24 01:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/08/24 14:22	08/11/24 01:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				08/08/24 14:22	08/11/24 01:10	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/08/24 14:22	08/11/24 01:10	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			08/11/24 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	<49.8	U	49.8		mg/Kg			08/09/24 15:03	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	<49.8	U	49.8		mg/Kg		08/08/24 09:50	08/09/24 15:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/08/24 09:50	08/09/24 15:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-8 (0-1.0')

Lab Sample ID: 880-47007-35

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 09:50	08/09/24 15:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				08/08/24 09:50	08/09/24 15:03	1
o-Terphenyl	131	S1+	70 - 130				08/08/24 09:50	08/09/24 15:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	663		4.96		mg/Kg			08/09/24 11:21	1

Client Sample ID: S-8 (1.5')

Lab Sample ID: 880-47007-36

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 14:22	08/11/24 01:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:22	08/11/24 01:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:22	08/11/24 01:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/08/24 14:22	08/11/24 01:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:22	08/11/24 01:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/08/24 14:22	08/11/24 01:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				08/08/24 14:22	08/11/24 01:31	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/08/24 14:22	08/11/24 01:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/11/24 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	<49.7	U	49.7		mg/Kg			08/09/24 15:23	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		08/08/24 09:50	08/09/24 15:23	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/08/24 09:50	08/09/24 15:23	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/08/24 09:50	08/09/24 15:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				08/08/24 09:50	08/09/24 15:23	1
o-Terphenyl	146	S1+	70 - 130				08/08/24 09:50	08/09/24 15:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	167		5.01		mg/Kg			08/09/24 11:26	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-8 (2.0')

Lab Sample ID: 880-47007-37

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 14:22	08/11/24 01:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/08/24 14:22	08/11/24 01:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/08/24 14:22	08/11/24 01:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/08/24 14:22	08/11/24 01:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/08/24 14:22	08/11/24 01:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/08/24 14:22	08/11/24 01:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	08/08/24 14:22	08/11/24 01:51	1
1,4-Difluorobenzene (Surr)	98		70 - 130	08/08/24 14:22	08/11/24 01:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/11/24 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	<49.8	U	49.8		mg/Kg			08/09/24 15:43	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		08/08/24 09:50	08/09/24 15:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/08/24 09:50	08/09/24 15:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/08/24 09:50	08/09/24 15:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	08/08/24 09:50	08/09/24 15:43	1
o-Terphenyl	129		70 - 130	08/08/24 09:50	08/09/24 15:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.5		4.98		mg/Kg			08/09/24 11:32	1

Client Sample ID: S-8 (3.0')

Lab Sample ID: 880-47007-38

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 14:22	08/11/24 02:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/08/24 14:22	08/11/24 02:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/08/24 14:22	08/11/24 02:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/08/24 14:22	08/11/24 02:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/08/24 14:22	08/11/24 02:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/08/24 14:22	08/11/24 02:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	08/08/24 14:22	08/11/24 02:12	1
1,4-Difluorobenzene (Surr)	95		70 - 130	08/08/24 14:22	08/11/24 02:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-8 (3.0')

Lab Sample ID: 880-47007-38

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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			08/11/24 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	<49.7	U	49.7		mg/Kg			08/09/24 16:04	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	<49.7	U	49.7		mg/Kg		08/08/24 09:50	08/09/24 16:04	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/08/24 09:50	08/09/24 16:04	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/08/24 09:50	08/09/24 16:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				08/08/24 09:50	08/09/24 16:04	1
o-Terphenyl	134	S1+	70 - 130				08/08/24 09:50	08/09/24 16:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.1		5.02		mg/Kg			08/09/24 11:37	1

Client Sample ID: S-8 (4.0')

Lab Sample ID: 880-47007-39

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 14:22	08/11/24 02:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/08/24 14:22	08/11/24 02:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/08/24 14:22	08/11/24 02:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/08/24 14:22	08/11/24 02:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/08/24 14:22	08/11/24 02:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/08/24 14:22	08/11/24 02:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				08/08/24 14:22	08/11/24 02:32	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/08/24 14:22	08/11/24 02:32	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			08/11/24 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	<49.8	U	49.8		mg/Kg			08/09/24 16:24	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		08/08/24 09:50	08/09/24 16:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/08/24 09:50	08/09/24 16:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-8 (4.0')

Lab Sample ID: 880-47007-39

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 09:50	08/09/24 16:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				08/08/24 09:50	08/09/24 16:24	1
o-Terphenyl	122		70 - 130				08/08/24 09:50	08/09/24 16:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.6		4.97		mg/Kg			08/09/24 12:45	1

Client Sample ID: S-9 (0-1.0')

Lab Sample ID: 880-47007-40

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 14:22	08/11/24 02:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/08/24 14:22	08/11/24 02:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/08/24 14:22	08/11/24 02:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/08/24 14:22	08/11/24 02:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/08/24 14:22	08/11/24 02:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/08/24 14:22	08/11/24 02:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				08/08/24 14:22	08/11/24 02:53	1
1,4-Difluorobenzene (Surr)	98		70 - 130				08/08/24 14:22	08/11/24 02:53	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			08/11/24 02:53	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			08/09/24 16:44	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	<50.0	U	50.0		mg/Kg		08/08/24 09:50	08/09/24 16:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/08/24 09:50	08/09/24 16:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/08/24 09:50	08/09/24 16:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				08/08/24 09:50	08/09/24 16:44	1
o-Terphenyl	131	S1+	70 - 130				08/08/24 09:50	08/09/24 16:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1880		24.8		mg/Kg			08/09/24 12:50	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-9 (1.5')

Lab Sample ID: 880-47007-41

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 12:56	08/10/24 01:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/08/24 12:56	08/10/24 01:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/08/24 12:56	08/10/24 01:03	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/08/24 12:56	08/10/24 01:03	1
o-Xylene	<0.00202	U **	0.00202		mg/Kg		08/08/24 12:56	08/10/24 01:03	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/08/24 12:56	08/10/24 01:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	214	S1+	70 - 130	08/08/24 12:56	08/10/24 01:03	1
1,4-Difluorobenzene (Surr)	179	S1+	70 - 130	08/08/24 12:56	08/10/24 01:03	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			08/10/24 01:03	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			08/09/24 17:05	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		08/08/24 09:50	08/09/24 17:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/08/24 09:50	08/09/24 17:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/08/24 09:50	08/09/24 17:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	08/08/24 09:50	08/09/24 17:05	1
o-Terphenyl	129		70 - 130	08/08/24 09:50	08/09/24 17:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	202	F1	5.01		mg/Kg			08/10/24 21:15	1

Client Sample ID: S-9 (2.0')

Lab Sample ID: 880-47007-42

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 12:56	08/10/24 01:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 12:56	08/10/24 01:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 12:56	08/10/24 01:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/08/24 12:56	08/10/24 01:23	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/08/24 12:56	08/10/24 01:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/08/24 12:56	08/10/24 01:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	08/08/24 12:56	08/10/24 01:23	1
1,4-Difluorobenzene (Surr)	109		70 - 130	08/08/24 12:56	08/10/24 01:23	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-9 (2.0')

Lab Sample ID: 880-47007-42

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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			08/10/24 01:23	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			08/09/24 17:25	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		08/08/24 09:50	08/09/24 17:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/08/24 09:50	08/09/24 17:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/08/24 09:50	08/09/24 17:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	151	S1+	70 - 130				08/08/24 09:50	08/09/24 17:25	1
o-Terphenyl	168	S1+	70 - 130				08/08/24 09:50	08/09/24 17:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.5		4.98		mg/Kg			08/10/24 21:30	1

Client Sample ID: S-9 (3.0')

Lab Sample ID: 880-47007-43

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 12:56	08/10/24 01:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 12:56	08/10/24 01:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 12:56	08/10/24 01:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/08/24 12:56	08/10/24 01:44	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/08/24 12:56	08/10/24 01:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/08/24 12:56	08/10/24 01:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				08/08/24 12:56	08/10/24 01:44	1
1,4-Difluorobenzene (Surr)	111		70 - 130				08/08/24 12:56	08/10/24 01:44	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			08/10/24 01:44	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			08/09/24 17:45	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		08/08/24 09:50	08/09/24 17:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/08/24 09:50	08/09/24 17:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-9 (3.0')

Lab Sample ID: 880-47007-43

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 09:50	08/09/24 17:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130				08/08/24 09:50	08/09/24 17:45	1
o-Terphenyl	161	S1+	70 - 130				08/08/24 09:50	08/09/24 17:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.7		4.97		mg/Kg			08/10/24 21:36	1

Client Sample ID: S-9 (4.0')

Lab Sample ID: 880-47007-44

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 12:56	08/10/24 02:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/08/24 12:56	08/10/24 02:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/08/24 12:56	08/10/24 02:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/08/24 12:56	08/10/24 02:04	1
o-Xylene	<0.00201	U **	0.00201		mg/Kg		08/08/24 12:56	08/10/24 02:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/08/24 12:56	08/10/24 02:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				08/08/24 12:56	08/10/24 02:04	1
1,4-Difluorobenzene (Surr)	110		70 - 130				08/08/24 12:56	08/10/24 02:04	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			08/10/24 02:04	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			08/09/24 18:05	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		08/08/24 09:50	08/09/24 18:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/08/24 09:50	08/09/24 18:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/08/24 09:50	08/09/24 18:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				08/08/24 09:50	08/09/24 18:05	1
o-Terphenyl	147	S1+	70 - 130				08/08/24 09:50	08/09/24 18:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		5.02		mg/Kg			08/10/24 21:41	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-9 (5.0')

Lab Sample ID: 880-47007-45

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 12:56	08/10/24 02:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/08/24 12:56	08/10/24 02:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/08/24 12:56	08/10/24 02:25	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/08/24 12:56	08/10/24 02:25	1
o-Xylene	<0.00202	U **	0.00202		mg/Kg		08/08/24 12:56	08/10/24 02:25	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/08/24 12:56	08/10/24 02:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				08/08/24 12:56	08/10/24 02:25	1
1,4-Difluorobenzene (Surr)	111		70 - 130				08/08/24 12:56	08/10/24 02:25	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			08/10/24 02:25	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			08/11/24 06:07	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	<49.9	U	49.9		mg/Kg		08/07/24 12:48	08/11/24 06:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/07/24 12:48	08/11/24 06:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/07/24 12:48	08/11/24 06:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				08/07/24 12:48	08/11/24 06:07	1
o-Terphenyl	116		70 - 130				08/07/24 12:48	08/11/24 06:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.8		4.99		mg/Kg			08/10/24 21:46	1

Client Sample ID: S-10 (0-1.0')

Lab Sample ID: 880-47007-46

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 12:56	08/10/24 02:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/08/24 12:56	08/10/24 02:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/08/24 12:56	08/10/24 02:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/08/24 12:56	08/10/24 02:45	1
o-Xylene	<0.00201	U **	0.00201		mg/Kg		08/08/24 12:56	08/10/24 02:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/08/24 12:56	08/10/24 02:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				08/08/24 12:56	08/10/24 02:45	1
1,4-Difluorobenzene (Surr)	114		70 - 130				08/08/24 12:56	08/10/24 02:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-10 (0-1.0')

Lab Sample ID: 880-47007-46

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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			08/10/24 02:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	92.6		49.8		mg/Kg			08/09/24 15:56	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 *+ *1	49.8		mg/Kg		08/08/24 14:18	08/09/24 15:56	1
Diesel Range Organics (Over C10-C28)	92.6	*+ *1	49.8		mg/Kg		08/08/24 14:18	08/09/24 15:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/08/24 14:18	08/09/24 15:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				08/08/24 14:18	08/09/24 15:56	1
o-Terphenyl	125		70 - 130				08/08/24 14:18	08/09/24 15:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6210		49.8		mg/Kg			08/10/24 22:02	10

Client Sample ID: S-10 (1.5')

Lab Sample ID: 880-47007-47

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 12:56	08/10/24 03:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 12:56	08/10/24 03:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 12:56	08/10/24 03:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/08/24 12:56	08/10/24 03:05	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		08/08/24 12:56	08/10/24 03:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/08/24 12:56	08/10/24 03:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				08/08/24 12:56	08/10/24 03:05	1
1,4-Difluorobenzene (Surr)	109		70 - 130				08/08/24 12:56	08/10/24 03:05	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			08/10/24 03:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/09/24 16:49	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 *+ *1	49.6		mg/Kg		08/08/24 14:18	08/09/24 16:49	1
Diesel Range Organics (Over C10-C28)	<49.6	U *+ *1	49.6		mg/Kg		08/08/24 14:18	08/09/24 16:49	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-10 (1.5')

Lab Sample ID: 880-47007-47

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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)	<49.6	U	49.6		mg/Kg		08/08/24 14:18	08/09/24 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				08/08/24 14:18	08/09/24 16:49	1
o-Terphenyl	121		70 - 130				08/08/24 14:18	08/09/24 16:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2520		25.1		mg/Kg			08/10/24 22:07	5

Client Sample ID: S-10 (2.0')

Lab Sample ID: 880-47007-48

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 12:56	08/10/24 03:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/08/24 12:56	08/10/24 03:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/08/24 12:56	08/10/24 03:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/08/24 12:56	08/10/24 03:26	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		08/08/24 12:56	08/10/24 03:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/08/24 12:56	08/10/24 03:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				08/08/24 12:56	08/10/24 03:26	1
1,4-Difluorobenzene (Surr)	111		70 - 130				08/08/24 12:56	08/10/24 03:26	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			08/10/24 03:26	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			08/09/24 17:07	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	<50.0	U ** *1	50.0		mg/Kg		08/08/24 14:18	08/09/24 17:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	50.0		mg/Kg		08/08/24 14:18	08/09/24 17:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/08/24 14:18	08/09/24 17:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				08/08/24 14:18	08/09/24 17:07	1
o-Terphenyl	116		70 - 130				08/08/24 14:18	08/09/24 17:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		4.97		mg/Kg			08/10/24 22:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-10 (3.0')

Lab Sample ID: 880-47007-49

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 12:56	08/10/24 03:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 12:56	08/10/24 03:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 12:56	08/10/24 03:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/08/24 12:56	08/10/24 03:46	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/08/24 12:56	08/10/24 03:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/08/24 12:56	08/10/24 03:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	08/08/24 12:56	08/10/24 03:46	1
1,4-Difluorobenzene (Surr)	112		70 - 130	08/08/24 12:56	08/10/24 03:46	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			08/10/24 03:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			08/09/24 17:37	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	<49.5	U ** *1	49.5		mg/Kg		08/08/24 14:18	08/09/24 17:37	1
Diesel Range Organics (Over C10-C28)	<49.5	U ** *1	49.5		mg/Kg		08/08/24 14:18	08/09/24 17:37	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		08/08/24 14:18	08/09/24 17:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	08/08/24 14:18	08/09/24 17:37	1
o-Terphenyl	120		70 - 130	08/08/24 14:18	08/09/24 17:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.7		5.00		mg/Kg			08/10/24 22:17	1

Client Sample ID: S-10 (4.0')

Lab Sample ID: 880-47007-50

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 12:56	08/10/24 04:07	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/08/24 12:56	08/10/24 04:07	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/08/24 12:56	08/10/24 04:07	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/08/24 12:56	08/10/24 04:07	1
o-Xylene	<0.00202	U **	0.00202		mg/Kg		08/08/24 12:56	08/10/24 04:07	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/08/24 12:56	08/10/24 04:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	08/08/24 12:56	08/10/24 04:07	1
1,4-Difluorobenzene (Surr)	116		70 - 130	08/08/24 12:56	08/10/24 04:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-10 (4.0')

Lab Sample ID: 880-47007-50

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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			08/10/24 04:07	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			08/09/24 17:54	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		08/08/24 14:18	08/09/24 17:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	49.8		mg/Kg		08/08/24 14:18	08/09/24 17:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/08/24 14:18	08/09/24 17:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				08/08/24 14:18	08/09/24 17:54	1
o-Terphenyl	130		70 - 130				08/08/24 14:18	08/09/24 17:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.4		5.02		mg/Kg			08/10/24 22:23	1

Client Sample ID: S-10 (5.0')

Lab Sample ID: 880-47007-51

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/10/24 16:47	08/11/24 05:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/10/24 16:47	08/11/24 05:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/10/24 16:47	08/11/24 05:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/10/24 16:47	08/11/24 05:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/10/24 16:47	08/11/24 05:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/10/24 16:47	08/11/24 05:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				08/10/24 16:47	08/11/24 05:56	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/10/24 16:47	08/11/24 05:56	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			08/11/24 05:56	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			08/09/24 18:12	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		08/08/24 14:18	08/09/24 18:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	49.8		mg/Kg		08/08/24 14:18	08/09/24 18:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-10 (5.0')

Lab Sample ID: 880-47007-51

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 14:18	08/09/24 18:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				08/08/24 14:18	08/09/24 18:12	1
o-Terphenyl	109		70 - 130				08/08/24 14:18	08/09/24 18:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	138	F1	4.95		mg/Kg			08/10/24 22:28	1

Client Sample ID: S-11 (0-1.0')

Lab Sample ID: 880-47007-52

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/10/24 16:47	08/11/24 06:17	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/10/24 16:47	08/11/24 06:17	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/10/24 16:47	08/11/24 06:17	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/10/24 16:47	08/11/24 06:17	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/10/24 16:47	08/11/24 06:17	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/10/24 16:47	08/11/24 06:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				08/10/24 16:47	08/11/24 06:17	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/10/24 16:47	08/11/24 06:17	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			08/11/24 06:17	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			08/09/24 18:30	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	<49.7	U ** *1	49.7		mg/Kg		08/08/24 14:18	08/09/24 18:30	1
Diesel Range Organics (Over C10-C28)	<49.7	U ** *1	49.7		mg/Kg		08/08/24 14:18	08/09/24 18:30	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/08/24 14:18	08/09/24 18:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				08/08/24 14:18	08/09/24 18:30	1
o-Terphenyl	122		70 - 130				08/08/24 14:18	08/09/24 18:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3090		25.1		mg/Kg			08/10/24 22:44	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-11 (1.5')

Lab Sample ID: 880-47007-53

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/10/24 16:47	08/11/24 06:37	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/10/24 16:47	08/11/24 06:37	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/10/24 16:47	08/11/24 06:37	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/10/24 16:47	08/11/24 06:37	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/10/24 16:47	08/11/24 06:37	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/10/24 16:47	08/11/24 06:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	08/10/24 16:47	08/11/24 06:37	1
1,4-Difluorobenzene (Surr)	97		70 - 130	08/10/24 16:47	08/11/24 06:37	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			08/11/24 06:37	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			08/09/24 18:47	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	<49.8	U ** *1	49.8		mg/Kg		08/08/24 14:18	08/09/24 18:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	49.8		mg/Kg		08/08/24 14:18	08/09/24 18:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/08/24 14:18	08/09/24 18:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	08/08/24 14:18	08/09/24 18:47	1
o-Terphenyl	123		70 - 130	08/08/24 14:18	08/09/24 18:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3420		25.3		mg/Kg			08/10/24 22:49	5

Client Sample ID: S-11 (2.0')

Lab Sample ID: 880-47007-54

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/10/24 16:47	08/11/24 06:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/10/24 16:47	08/11/24 06:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/10/24 16:47	08/11/24 06:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/10/24 16:47	08/11/24 06:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/10/24 16:47	08/11/24 06:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/10/24 16:47	08/11/24 06:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	08/10/24 16:47	08/11/24 06:58	1
1,4-Difluorobenzene (Surr)	96		70 - 130	08/10/24 16:47	08/11/24 06:58	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-11 (2.0')

Lab Sample ID: 880-47007-54

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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			08/11/24 06:58	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			08/09/24 19:05	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		08/08/24 14:18	08/09/24 19:05	1	
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	49.8		mg/Kg		08/08/24 14:18	08/09/24 19:05	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/08/24 14:18	08/09/24 19:05	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	122		70 - 130				08/08/24 14:18	08/09/24 19:05	1	
o-Terphenyl	126		70 - 130				08/08/24 14:18	08/09/24 19:05	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	1930		25.2		mg/Kg			08/10/24 23:05	5	

Client Sample ID: S-11 (3.0')

Lab Sample ID: 880-47007-55

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/10/24 16:47	08/11/24 07:18	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/10/24 16:47	08/11/24 07:18	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/10/24 16:47	08/11/24 07:18	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/10/24 16:47	08/11/24 07:18	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/10/24 16:47	08/11/24 07:18	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/10/24 16:47	08/11/24 07:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				08/10/24 16:47	08/11/24 07:18	1
1,4-Difluorobenzene (Surr)	94		70 - 130				08/10/24 16:47	08/11/24 07:18	1
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/11/24 07:18	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			08/09/24 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 ** *1	49.7		mg/Kg		08/08/24 14:18	08/09/24 19:23	1
Diesel Range Organics (Over C10-C28)	<49.7	U ** *1	49.7		mg/Kg		08/08/24 14:18	08/09/24 19:23	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-11 (3.0')

Lab Sample ID: 880-47007-55

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/08/24 14:18	08/09/24 19:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				08/08/24 14:18	08/09/24 19:23	1
o-Terphenyl	128		70 - 130				08/08/24 14:18	08/09/24 19:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.43		5.05		mg/Kg			08/10/24 23:10	1

Client Sample ID: S-11 (4.0')

Lab Sample ID: 880-47007-56

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/10/24 16:47	08/11/24 07:39	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/10/24 16:47	08/11/24 07:39	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/10/24 16:47	08/11/24 07:39	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/10/24 16:47	08/11/24 07:39	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/10/24 16:47	08/11/24 07:39	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/10/24 16:47	08/11/24 07:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				08/10/24 16:47	08/11/24 07:39	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/10/24 16:47	08/11/24 07:39	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			08/11/24 07:39	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			08/09/24 19:58	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 ** *1	49.9		mg/Kg		08/08/24 14:18	08/09/24 19:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	49.9		mg/Kg		08/08/24 14:18	08/09/24 19:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/08/24 14:18	08/09/24 19:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				08/08/24 14:18	08/09/24 19:58	1
o-Terphenyl	111		70 - 130				08/08/24 14:18	08/09/24 19:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.4		4.97		mg/Kg			08/10/24 23:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-11 (5.0')

Lab Sample ID: 880-47007-57

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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		08/10/24 16:47	08/11/24 07:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/10/24 16:47	08/11/24 07:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/10/24 16:47	08/11/24 07:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/10/24 16:47	08/11/24 07:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/10/24 16:47	08/11/24 07:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/10/24 16:47	08/11/24 07:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	08/10/24 16:47	08/11/24 07:59	1
1,4-Difluorobenzene (Surr)	99		70 - 130	08/10/24 16:47	08/11/24 07:59	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			08/11/24 07:59	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			08/09/24 20:15	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		08/08/24 14:18	08/09/24 20:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+ *1	49.8		mg/Kg		08/08/24 14:18	08/09/24 20:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/08/24 14:18	08/09/24 20:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	08/08/24 14:18	08/09/24 20:15	1
o-Terphenyl	112		70 - 130	08/08/24 14:18	08/09/24 20:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.2		4.95		mg/Kg			08/10/24 23:20	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

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)
880-47007-1	S-1 (0-1.0')	89	100
880-47007-1 MS	S-1 (0-1.0')	103	103
880-47007-1 MSD	S-1 (0-1.0')	111	111
880-47007-2	S-1 (1.5')	114	116
880-47007-3	S-1 (2.0')	105	115
880-47007-4	S-1 (3.0')	110	114
880-47007-5	S-2 (0-1.0')	109	120
880-47007-6	S-2 (1.5')	109	113
880-47007-7	S-2 (2.0')	115	118
880-47007-8	S-2 (3.0')	116	114
880-47007-9	S-2 (4.0')	113	116
880-47007-10	S-3 (0-1.0')	115	122
880-47007-11	S-3 (1.5')	90	109
880-47007-12	S-3 (2.0')	113	117
880-47007-13	S-3 (3.0')	100	115
880-47007-14	S-3 (4.0')	113	116
880-47007-15	S-4 (0-1.0')	117	114
880-47007-16	S-4 (1.5')	111	117
880-47007-17	S-4 (2.0')	111	113
880-47007-18	S-4 (3.0')	113	117
880-47007-19	S-4 (4.0')	110	114
880-47007-20	S-4 (5.0')	111	113
880-47007-21	S-5 (0-1.0')	109	97
880-47007-21 MS	S-5 (0-1.0')	97	103
880-47007-21 MSD	S-5 (0-1.0')	98	101
880-47007-22	S-5 (1.5')	111	98
880-47007-23	S-5 (2.0')	112	98
880-47007-24	S-5 (3.0')	112	97
880-47007-25	S-5 (4.0')	112	98
880-47007-26	S-6 (0-1.0')	114	98
880-47007-27	S-6 (1.5')	113	98
880-47007-28	S-6 (2.0')	117	101
880-47007-29	S-7 (0-1.0')	115	99
880-47007-30	S-7 (1.5')	114	97
880-47007-31	S-7 (2.0')	111	97
880-47007-32	S-7 (3.0')	111	95
880-47007-33	S-7 (4.0')	113	96
880-47007-34	S-7 (5.0')	118	99
880-47007-35	S-8 (0-1.0')	115	96
880-47007-36	S-8 (1.5')	112	96
880-47007-37	S-8 (2.0')	115	98
880-47007-38	S-8 (3.0')	113	95
880-47007-39	S-8 (4.0')	121	97
880-47007-40	S-9 (0-1.0')	112	98
880-47007-41	S-9 (1.5')	214 S1+	179 S1+
880-47007-41 MS	S-9 (1.5')	94	101
880-47007-41 MSD	S-9 (1.5')	101	109
880-47007-42	S-9 (2.0')	95	109
880-47007-43	S-9 (3.0')	91	111

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Surrogate Summary

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-47007-44	S-9 (4.0')	94	110				
880-47007-45	S-9 (5.0')	97	111				
880-47007-46	S-10 (0-1.0')	98	114				
880-47007-47	S-10 (1.5')	97	109				
880-47007-48	S-10 (2.0')	111	111				
880-47007-49	S-10 (3.0')	112	112				
880-47007-50	S-10 (4.0')	99	116				
880-47007-51	S-10 (5.0')	108	97				
880-47007-51 MS	S-10 (5.0')	93	108				
880-47007-51 MSD	S-10 (5.0')	99	107				
880-47007-52	S-11 (0-1.0')	109	97				
880-47007-53	S-11 (1.5')	107	97				
880-47007-54	S-11 (2.0')	110	96				
880-47007-55	S-11 (3.0')	111	94				
880-47007-56	S-11 (4.0')	112	97				
880-47007-57	S-11 (5.0')	108	99				
LCS 880-87908/1-A	Lab Control Sample	103	100				
LCS 880-87916/1-A	Lab Control Sample	107	106				
LCS 880-87923/1-A	Lab Control Sample	99	104				
LCS 880-88086/1-A	Lab Control Sample	103	101				
LCSD 880-87908/2-A	Lab Control Sample Dup	103	103				
LCSD 880-87916/2-A	Lab Control Sample Dup	106	102				
LCSD 880-87923/2-A	Lab Control Sample Dup	100	99				
LCSD 880-88086/2-A	Lab Control Sample Dup	100	102				
MB 880-87908/5-A	Method Blank	195 S1+	159 S1+				
MB 880-87910/5-A	Method Blank	175 S1+	136 S1+				
MB 880-87916/5-A	Method Blank	203 S1+	149 S1+				
MB 880-87923/5-A	Method Blank	100	86				
MB 880-87924/5-A	Method Blank	183 S1+	146 S1+				
MB 880-88086/5-A	Method Blank	102	90				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-46963-A-18-D MS	Matrix Spike	107	115				
880-46963-A-18-E MSD	Matrix Spike Duplicate	107	116				
880-47007-1	S-1 (0-1.0')	115	114				
880-47007-2	S-1 (1.5')	123	122				
880-47007-3	S-1 (2.0')	120	120				
880-47007-4	S-1 (3.0')	115	117				
880-47007-5	S-2 (0-1.0')	122	141 S1+				
880-47007-5 MS	S-2 (0-1.0')	119	121				
880-47007-5 MSD	S-2 (0-1.0')	117	117				
880-47007-6	S-2 (1.5')	118	145 S1+				

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Surrogate Summary

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

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)
880-47007-7	S-2 (2.0')	125	148 S1+
880-47007-8	S-2 (3.0')	126	149 S1+
880-47007-9	S-2 (4.0')	123	147 S1+
880-47007-10	S-3 (0-1.0')	138 S1+	167 S1+
880-47007-11	S-3 (1.5')	139 S1+	165 S1+
880-47007-12	S-3 (2.0')	144 S1+	168 S1+
880-47007-13	S-3 (3.0')	119	140 S1+
880-47007-14	S-3 (4.0')	125	146 S1+
880-47007-15	S-4 (0-1.0')	130	152 S1+
880-47007-16	S-4 (1.5')	128	155 S1+
880-47007-17	S-4 (2.0')	143 S1+	159 S1+
880-47007-18	S-4 (3.0')	113	139 S1+
880-47007-19	S-4 (4.0')	124	150 S1+
880-47007-20	S-4 (5.0')	150 S1+	174 S1+
880-47007-21	S-5 (0-1.0')	135 S1+	160 S1+
880-47007-22	S-5 (1.5')	134 S1+	156 S1+
880-47007-23	S-5 (2.0')	128	146 S1+
880-47007-24	S-5 (3.0')	126	150 S1+
880-47007-25	S-5 (4.0')	114	124
880-47007-25 MS	S-5 (4.0')	102	103
880-47007-25 MSD	S-5 (4.0')	120	122
880-47007-26	S-6 (0-1.0')	70	78
880-47007-27	S-6 (1.5')	123	135 S1+
880-47007-28	S-6 (2.0')	127	140 S1+
880-47007-29	S-7 (0-1.0')	109	120
880-47007-30	S-7 (1.5')	124	134 S1+
880-47007-31	S-7 (2.0')	115	125
880-47007-32	S-7 (3.0')	116	126
880-47007-33	S-7 (4.0')	116	136 S1+
880-47007-34	S-7 (5.0')	108	123
880-47007-35	S-8 (0-1.0')	119	131 S1+
880-47007-36	S-8 (1.5')	132 S1+	146 S1+
880-47007-37	S-8 (2.0')	114	129
880-47007-38	S-8 (3.0')	119	134 S1+
880-47007-39	S-8 (4.0')	110	122
880-47007-40	S-9 (0-1.0')	121	131 S1+
880-47007-41	S-9 (1.5')	113	129
880-47007-42	S-9 (2.0')	151 S1+	168 S1+
880-47007-43	S-9 (3.0')	144 S1+	161 S1+
880-47007-44	S-9 (4.0')	129	147 S1+
880-47007-45	S-9 (5.0')	113	116
880-47007-46	S-10 (0-1.0')	119	125
880-47007-46 MS	S-10 (0-1.0')	125	141 S1+
880-47007-46 MSD	S-10 (0-1.0')	126	142 S1+
880-47007-47	S-10 (1.5')	118	121
880-47007-48	S-10 (2.0')	115	116
880-47007-49	S-10 (3.0')	119	120
880-47007-50	S-10 (4.0')	128	130
880-47007-51	S-10 (5.0')	108	109
880-47007-52	S-11 (0-1.0')	118	122

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-47007-1

Project/Site: Norman B- 07.31.2024

SDG: Lea County, NM

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)
880-47007-53	S-11 (1.5')	120	123
880-47007-54	S-11 (2.0')	122	126
880-47007-55	S-11 (3.0')	124	128
880-47007-56	S-11 (4.0')	109	111
880-47007-57	S-11 (5.0')	109	112
LCS 880-87748/2-A	Lab Control Sample	82	93
LCS 880-87842/2-A	Lab Control Sample	98	113
LCS 880-87845/2-A	Lab Control Sample	116	126
LCS 880-87921/2-A	Lab Control Sample	170 S1+	196 S1+
LCSD 880-87748/3-A	Lab Control Sample Dup	82	91
LCSD 880-87842/3-A	Lab Control Sample Dup	99	107
LCSD 880-87845/3-A	Lab Control Sample Dup	108	116
LCSD 880-87921/3-A	Lab Control Sample Dup	119	133 S1+
MB 880-87748/1-A	Method Blank	87	91
MB 880-87842/1-A	Method Blank	89	104
MB 880-87845/1-A	Method Blank	84	94
MB 880-87921/1-A	Method Blank	267 S1+	277 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-87908/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 87964							Prep Batch: 87908		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/08/24 12:56	08/10/24 00:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 12:56	08/10/24 00:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 12:56	08/10/24 00:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/08/24 12:56	08/10/24 00:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/08/24 12:56	08/10/24 00:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/08/24 12:56	08/10/24 00:34	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	195	S1+	70 - 130				08/08/24 12:56	08/10/24 00:34	1
1,4-Difluorobenzene (Surr)	159	S1+	70 - 130				08/08/24 12:56	08/10/24 00:34	1

Lab Sample ID: LCS 880-87908/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 87964							Prep Batch: 87908		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene		0.100	0.1115		mg/Kg		112	70 - 130	
Toluene		0.100	0.1070		mg/Kg		107	70 - 130	
Ethylbenzene		0.100	0.1032		mg/Kg		103	70 - 130	
m-Xylene & p-Xylene		0.200	0.2297		mg/Kg		115	70 - 130	
o-Xylene		0.100	0.1246		mg/Kg		125	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	103		70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: LCSD 880-87908/2-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 87964							Prep Batch: 87908			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.1153		mg/Kg		115	70 - 130	3	35
Toluene		0.100	0.1081		mg/Kg		108	70 - 130	1	35
Ethylbenzene		0.100	0.1139		mg/Kg		114	70 - 130	10	35
m-Xylene & p-Xylene		0.200	0.2461		mg/Kg		123	70 - 130	7	35
o-Xylene		0.100	0.1388	*+	mg/Kg		139	70 - 130	11	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	103		70 - 130							
1,4-Difluorobenzene (Surr)	103		70 - 130							

Lab Sample ID: 880-47007-41 MS							Client Sample ID: S-9 (1.5')		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 87964							Prep Batch: 87908		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.100	0.09877		mg/Kg		99	70 - 130
Toluene	<0.00202	U	0.100	0.1012		mg/Kg		101	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

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

Lab Sample ID: 880-47007-41 MS

Matrix: Solid

Analysis Batch: 87964

Client Sample ID: S-9 (1.5')

Prep Type: Total/NA

Prep Batch: 87908

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.100	0.08597		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	<0.00404	U	0.200	0.2000		mg/Kg		100	70 - 130
o-Xylene	<0.00202	U *	0.100	0.1145		mg/Kg		114	70 - 130
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	94		70 - 130						
1,4-Difluorobenzene (Surr)	101		70 - 130						

Lab Sample ID: 880-47007-41 MSD

Matrix: Solid

Analysis Batch: 87964

Client Sample ID: S-9 (1.5')

Prep Type: Total/NA

Prep Batch: 87908

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.1057		mg/Kg		106	70 - 130	7	35
Toluene	<0.00202	U	0.100	0.09945		mg/Kg		99	70 - 130	2	35
Ethylbenzene	<0.00202	U	0.100	0.08963		mg/Kg		90	70 - 130	4	35
m-Xylene & p-Xylene	<0.00404	U	0.200	0.2069		mg/Kg		103	70 - 130	3	35
o-Xylene	<0.00202	U *	0.100	0.1167		mg/Kg		117	70 - 130	2	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	101		70 - 130								
1,4-Difluorobenzene (Surr)	109		70 - 130								

Lab Sample ID: MB 880-87910/5-A

Matrix: Solid

Analysis Batch: 87964

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87910

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:01	08/09/24 12:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:01	08/09/24 12:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:01	08/09/24 12:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/08/24 13:01	08/09/24 12:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:01	08/09/24 12:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/08/24 13:01	08/09/24 12:54	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	175	S1+	70 - 130				08/08/24 13:01	08/09/24 12:54	1
1,4-Difluorobenzene (Surr)	136	S1+	70 - 130				08/08/24 13:01	08/09/24 12:54	1

Lab Sample ID: MB 880-87916/5-A

Matrix: Solid

Analysis Batch: 88135

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87916

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:14	08/12/24 23:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:14	08/12/24 23:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:14	08/12/24 23:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/08/24 13:14	08/12/24 23:56	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-87916/5-A

Matrix: Solid

Analysis Batch: 88135

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87916

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/08/24 13:14	08/12/24 23:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/08/24 13:14	08/12/24 23:56	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	203	S1+	70 - 130				08/08/24 13:14	08/12/24 23:56	1
1,4-Difluorobenzene (Surr)	149	S1+	70 - 130				08/08/24 13:14	08/12/24 23:56	1

Lab Sample ID: LCS 880-87916/1-A

Matrix: Solid

Analysis Batch: 88135

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87916

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits		
		Result	Qualifier						
Benzene	0.100	0.1189		mg/Kg		119	70 - 130		
Toluene	0.100	0.1086		mg/Kg		109	70 - 130		
Ethylbenzene	0.100	0.1080		mg/Kg		108	70 - 130		
m-Xylene & p-Xylene	0.200	0.2406		mg/Kg		120	70 - 130		
o-Xylene	0.100	0.1360	*+	mg/Kg		136	70 - 130		
Surrogate	LCS	LCS	Limits						
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	107		70 - 130						
1,4-Difluorobenzene (Surr)	106		70 - 130						

Lab Sample ID: LCSD 880-87916/2-A

Matrix: Solid

Analysis Batch: 88135

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87916

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
Benzene	0.100	0.1177		mg/Kg		118	70 - 130	1	35
Toluene	0.100	0.1098		mg/Kg		110	70 - 130	1	35
Ethylbenzene	0.100	0.1069		mg/Kg		107	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2390		mg/Kg		120	70 - 130	1	35
o-Xylene	0.100	0.1349	*+	mg/Kg		135	70 - 130	1	35
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	106		70 - 130						
1,4-Difluorobenzene (Surr)	102		70 - 130						

Lab Sample ID: 880-47007-1 MS

Matrix: Solid

Analysis Batch: 88135

Client Sample ID: S-1 (0-1.0')

Prep Type: Total/NA

Prep Batch: 87916

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits		
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00202	U	0.100	0.1243		mg/Kg		124	70 - 130		
Toluene	<0.00202	U	0.100	0.09208		mg/Kg		92	70 - 130		
Ethylbenzene	<0.00202	U F1	0.100	0.06153	F1	mg/Kg		62	70 - 130		
m-Xylene & p-Xylene	<0.00404	U F1	0.200	0.1374	F1	mg/Kg		69	70 - 130		
o-Xylene	<0.00202	U *+	0.100	0.09445		mg/Kg		94	70 - 130		

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QC Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

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

Lab Sample ID: 880-47007-1 MS

Matrix: Solid

Analysis Batch: 88135

Client Sample ID: S-1 (0-1.0')

Prep Type: Total/NA

Prep Batch: 87916

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

Lab Sample ID: 880-47007-1 MSD

Matrix: Solid

Analysis Batch: 88135

Client Sample ID: S-1 (0-1.0')

Prep Type: Total/NA

Prep Batch: 87916

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.1280		mg/Kg		128	70 - 130	3	35
Toluene	<0.00202	U	0.100	0.08885		mg/Kg		89	70 - 130	4	35
Ethylbenzene	<0.00202	U F1	0.100	0.05946	F1	mg/Kg		59	70 - 130	3	35
m-Xylene & p-Xylene	<0.00404	U F1	0.200	0.1410		mg/Kg		71	70 - 130	3	35
o-Xylene	<0.00202	U *+	0.100	0.09433		mg/Kg		94	70 - 130	0	35

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

Lab Sample ID: MB 880-87923/5-A

Matrix: Solid

Analysis Batch: 88081

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87923

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:22	08/10/24 18:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:22	08/10/24 18:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:22	08/10/24 18:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/08/24 14:22	08/10/24 18:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:22	08/10/24 18:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/08/24 14:22	08/10/24 18:59	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	08/08/24 14:22	08/10/24 18:59	1
1,4-Difluorobenzene (Surr)	86		70 - 130	08/08/24 14:22	08/10/24 18:59	1

Lab Sample ID: LCS 880-87923/1-A

Matrix: Solid

Analysis Batch: 88081

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87923

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1132		mg/Kg		113	70 - 130
Toluene	0.100	0.09696		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.1031		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2071		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1039		mg/Kg		104	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-87923/1-A
Matrix: Solid
Analysis Batch: 88081

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87923

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

Lab Sample ID: LCSD 880-87923/2-A
Matrix: Solid
Analysis Batch: 88081

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87923

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08712		mg/Kg		87	70 - 130	26	35
Toluene	0.100	0.07286		mg/Kg		73	70 - 130	28	35
Ethylbenzene	0.100	0.07631		mg/Kg		76	70 - 130	30	35
m-Xylene & p-Xylene	0.200	0.1539		mg/Kg		77	70 - 130	30	35
o-Xylene	0.100	0.07963		mg/Kg		80	70 - 130	26	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-47007-21 MS
Matrix: Solid
Analysis Batch: 88081

Client Sample ID: S-5 (0-1.0')
Prep Type: Total/NA
Prep Batch: 87923

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.100	0.09332		mg/Kg		93	70 - 130
Toluene	<0.00202	U	0.100	0.07241		mg/Kg		72	70 - 130
Ethylbenzene	<0.00202	U F1	0.100	0.06768	F1	mg/Kg		68	70 - 130
m-Xylene & p-Xylene	<0.00404	U F1	0.200	0.07264	F1	mg/Kg		36	70 - 130
o-Xylene	<0.00202	U	0.100	0.08143		mg/Kg		81	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-47007-21 MSD
Matrix: Solid
Analysis Batch: 88081

Client Sample ID: S-5 (0-1.0')
Prep Type: Total/NA
Prep Batch: 87923

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.08714		mg/Kg		87	70 - 130	7	35
Toluene	<0.00202	U	0.100	0.06975		mg/Kg		70	70 - 130	4	35
Ethylbenzene	<0.00202	U F1	0.100	0.06550	F1	mg/Kg		66	70 - 130	3	35
m-Xylene & p-Xylene	<0.00404	U F1	0.200	0.09524	F1	mg/Kg		48	70 - 130	27	35
o-Xylene	<0.00202	U	0.100	0.07546		mg/Kg		75	70 - 130	8	35

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-87924/5-A
Matrix: Solid
Analysis Batch: 88135

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87924

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:25	08/12/24 12:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:25	08/12/24 12:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:25	08/12/24 12:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/08/24 14:25	08/12/24 12:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:25	08/12/24 12:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/08/24 14:25	08/12/24 12:15	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	183	S1+	70 - 130				08/08/24 14:25	08/12/24 12:15	1
1,4-Difluorobenzene (Surr)	146	S1+	70 - 130				08/08/24 14:25	08/12/24 12:15	1

Lab Sample ID: MB 880-88086/5-A
Matrix: Solid
Analysis Batch: 88081

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 88086

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/10/24 16:47	08/11/24 05:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/10/24 16:47	08/11/24 05:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/10/24 16:47	08/11/24 05:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/10/24 16:47	08/11/24 05:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/10/24 16:47	08/11/24 05:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/10/24 16:47	08/11/24 05:35	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				08/10/24 16:47	08/11/24 05:35	1
1,4-Difluorobenzene (Surr)	90		70 - 130				08/10/24 16:47	08/11/24 05:35	1

Lab Sample ID: LCS 880-88086/1-A
Matrix: Solid
Analysis Batch: 88081

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 88086

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09457		mg/Kg		95	70 - 130
Toluene	0.100	0.07823		mg/Kg		78	70 - 130
Ethylbenzene	0.100	0.08200		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	0.200	0.1657		mg/Kg		83	70 - 130
o-Xylene	0.100	0.08627		mg/Kg		86	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	103		70 - 130				
1,4-Difluorobenzene (Surr)	101		70 - 130				

Lab Sample ID: LCSD 880-88086/2-A
Matrix: Solid
Analysis Batch: 88081

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 88086

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1007		mg/Kg		101	70 - 130	6	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-88086/2-A
Matrix: Solid
Analysis Batch: 88081

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 88086

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	
	Added	Result	Qualifier				Limits	RPD	Limit
Toluene	0.100	0.08452		mg/Kg		85	70 - 130	8	35
Ethylbenzene	0.100	0.08917		mg/Kg		89	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1800		mg/Kg		90	70 - 130	8	35
o-Xylene	0.100	0.09290		mg/Kg		93	70 - 130	7	35
	LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	100		70 - 130						
1,4-Difluorobenzene (Surr)	102		70 - 130						

Lab Sample ID: 880-47007-51 MS
Matrix: Solid
Analysis Batch: 88081

Client Sample ID: S-10 (5.0')
Prep Type: Total/NA
Prep Batch: 88086

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits		
	Result	Qualifier	Added	Result	Qualifier				%Rec			
Benzene	<0.00199	U	0.0996	0.1148		mg/Kg		115	70 - 130			
Toluene	<0.00199	U	0.0996	0.09424		mg/Kg		95	70 - 130			
Ethylbenzene	<0.00199	U	0.0996	0.09874		mg/Kg		99	70 - 130			
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1978		mg/Kg		99	70 - 130			
o-Xylene	<0.00199	U	0.0996	0.1018		mg/Kg		102	70 - 130			
Surrogate	MS	MS	Limits									
	%Recovery	Qualifier										
4-Bromofluorobenzene (Surr)	93		70 - 130									
1,4-Difluorobenzene (Surr)	108		70 - 130									

Lab Sample ID: 880-47007-51 MSD
Matrix: Solid
Analysis Batch: 88081

Client Sample ID: S-10 (5.0')
Prep Type: Total/NA
Prep Batch: 88086

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Benzene	<0.00199	U	0.0992	0.1091		mg/Kg		110	70 - 130	5	35
Toluene	<0.00199	U	0.0992	0.08960		mg/Kg		90	70 - 130	5	35
Ethylbenzene	<0.00199	U	0.0992	0.09348		mg/Kg		94	70 - 130	5	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1879		mg/Kg		95	70 - 130	5	35
o-Xylene	<0.00199	U	0.0992	0.09753		mg/Kg		98	70 - 130	4	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	99		70 - 130								
1,4-Difluorobenzene (Surr)	107		70 - 130								

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

Lab Sample ID: MB 880-87748/1-A
Matrix: Solid
Analysis Batch: 88090

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87748

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/07/24 12:47	08/10/24 18:24	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-87748/1-A
Matrix: Solid
Analysis Batch: 88090

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87748

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		08/07/24 12:47	08/10/24 18:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/07/24 12:47	08/10/24 18:24	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				08/07/24 12:47	08/10/24 18:24	1
o-Terphenyl	91		70 - 130				08/07/24 12:47	08/10/24 18:24	1

Lab Sample ID: LCS 880-87748/2-A
Matrix: Solid
Analysis Batch: 88090

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87748

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	836.9		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	1000	833.7		mg/Kg		83	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	82		70 - 130				
o-Terphenyl	93		70 - 130				

Lab Sample ID: LCSD 880-87748/3-A
Matrix: Solid
Analysis Batch: 88090

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87748

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	853.3		mg/Kg		85	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	813.5		mg/Kg		81	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	82		70 - 130						
o-Terphenyl	91		70 - 130						

Lab Sample ID: 880-46963-A-18-D MS
Matrix: Solid
Analysis Batch: 88090

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 87748

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	999	879.9		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	<49.6	U	999	987.9		mg/Kg		99	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	107		70 - 130						
o-Terphenyl	115		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

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

Lab Sample ID: 880-46963-A-18-E MSD
Matrix: Solid
Analysis Batch: 88090

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 87748

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	999	886.2		mg/Kg		89	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.6	U	999	991.8		mg/Kg		99	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	107		70 - 130								
o-Terphenyl	116		70 - 130								

Lab Sample ID: MB 880-87842/1-A
Matrix: Solid
Analysis Batch: 87951

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87842

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		08/08/24 09:46	08/09/24 08:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/08/24 09:46	08/09/24 08:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/08/24 09:46	08/09/24 08:13	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				08/08/24 09:46	08/09/24 08:13	1
o-Terphenyl	104		70 - 130				08/08/24 09:46	08/09/24 08:13	1

Lab Sample ID: LCS 880-87842/2-A

Matrix: Solid

Analysis Batch: 87951

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87842

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits			
Gasoline Range Organics (GRO)-C6-C10	1000	1025		mg/Kg		102	70 - 130			
Diesel Range Organics (Over C10-C28)	1000	1003		mg/Kg		100	70 - 130			
Surrogate	LCS %Recovery	LCS Qualifier	Limits							
1-Chlorooctane	98		70 - 130							
o-Terphenyl	113		70 - 130							

Lab Sample ID: LCSD 880-87842/3-A
Matrix: Solid
Analysis Batch: 87951

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87842

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	968.3		mg/Kg		97	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	952.5		mg/Kg		95	70 - 130	5	20

QC Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-87842/3-A
Matrix: Solid
Analysis Batch: 87951

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87842

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 880-47007-5 MS
Matrix: Solid
Analysis Batch: 87951

Client Sample ID: S-2 (0-1.0')
Prep Type: Total/NA
Prep Batch: 87842

	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	1298		mg/Kg		130	70 - 130	
Diesel Range Organics (Over C10-C28)	572	F1	999	1010	F1	mg/Kg		44	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	119		70 - 130							
o-Terphenyl	121		70 - 130							

Lab Sample ID: 880-47007-5 MSD
Matrix: Solid
Analysis Batch: 87951

Client Sample ID: S-2 (0-1.0')
Prep Type: Total/NA
Prep Batch: 87842

	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	1282		mg/Kg		128	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	572	F1	999	1006	F1	mg/Kg		43	70 - 130	0	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	117		70 - 130									
o-Terphenyl	117		70 - 130									

Lab Sample ID: MB 880-87845/1-A
Matrix: Solid
Analysis Batch: 87953

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87845

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/08/24 09:50	08/09/24 08:13	1		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/08/24 09:50	08/09/24 08:13	1		
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/08/24 09:50	08/09/24 08:13	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1-Chlorooctane	84		70 - 130				08/08/24 09:50	08/09/24 08:13	1		
o-Terphenyl	94		70 - 130				08/08/24 09:50	08/09/24 08:13	1		

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QC Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-87845/2-A
Matrix: Solid
Analysis Batch: 87953

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87845

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1013		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1001		mg/Kg		100	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1-Chlorooctane	116		70 - 130				
o-Terphenyl	126		70 - 130				

Lab Sample ID: LCSD 880-87845/3-A
Matrix: Solid
Analysis Batch: 87953

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87845

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	960.1		mg/Kg		96	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	968.8		mg/Kg		97	70 - 130	3	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	108		70 - 130						
o-Terphenyl	116		70 - 130						

Lab Sample ID: 880-47007-25 MS
Matrix: Solid
Analysis Batch: 87953

Client Sample ID: S-5 (4.0')
Prep Type: Total/NA
Prep Batch: 87845

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	1000	1196		mg/Kg		120	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	640.1	F1	mg/Kg		64	70 - 130
Surrogate	%Recovery	MS Qualifier	Limits						
1-Chlorooctane	102		70 - 130						
o-Terphenyl	103		70 - 130						

Lab Sample ID: 880-47007-25 MSD
Matrix: Solid
Analysis Batch: 87953

Client Sample ID: S-5 (4.0')
Prep Type: Total/NA
Prep Batch: 87845

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	<50.0	U F2	1000	721.7	F2	mg/Kg		72	70 - 130	49	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	751.6		mg/Kg		75	70 - 130	16	20
Surrogate	%Recovery	MSD Qualifier	Limits								
1-Chlorooctane	120		70 - 130								

QC Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

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

Lab Sample ID: 880-47007-25 MSD
Matrix: Solid
Analysis Batch: 87953

Client Sample ID: S-5 (4.0')
Prep Type: Total/NA
Prep Batch: 87845

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	122		70 - 130

Lab Sample ID: MB 880-87921/1-A
Matrix: Solid
Analysis Batch: 88019

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87921

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		08/08/24 14:18	08/09/24 09:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/08/24 14:18	08/09/24 09:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/08/24 14:18	08/09/24 09:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	267	S1+	70 - 130				08/08/24 14:18	08/09/24 09:21	1
<i>o</i> -Terphenyl	277	S1+	70 - 130				08/08/24 14:18	08/09/24 09:21	1

Lab Sample ID: LCS 880-87921/2-A
Matrix: Solid
Analysis Batch: 88019

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87921

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1500	*+	mg/Kg		150	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1791	*+	mg/Kg		179	70 - 130
Surrogate		LCS %Recovery	LCS Qualifier	Limits			
1-Chlorooctane		170	S1+	70 - 130			
<i>o</i> -Terphenyl		196	S1+	70 - 130			

Lab Sample ID: LCSD 880-87921/3-A
Matrix: Solid
Analysis Batch: 88019

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87921

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1115	*1	mg/Kg		111	70 - 130	29	20
Diesel Range Organics (Over C10-C28)	1000	1243	*1	mg/Kg		124	70 - 130	36	20
Surrogate		LCSD %Recovery	LCSD Qualifier	Limits					
1-Chlorooctane		119		70 - 130					
<i>o</i> -Terphenyl		133	S1+	70 - 130					

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QC Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

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

Lab Sample ID: 880-47007-46 MS

Matrix: Solid

Analysis Batch: 88019

Client Sample ID: S-10 (0-1.0')

Prep Type: Total/NA

Prep Batch: 87921

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U ** *1	992	1056		mg/Kg		106	70 - 130		
Diesel Range Organics (Over C10-C28)	92.6	*+ *1	992	1202		mg/Kg		112	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	125		70 - 130								
o-Terphenyl	141	S1+	70 - 130								

Lab Sample ID: 880-47007-46 MSD

Matrix: Solid

Analysis Batch: 88019

Client Sample ID: S-10 (0-1.0')

Prep Type: Total/NA

Prep Batch: 87921

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+ *1	992	1067		mg/Kg		108	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	92.6	*+ *1	992	1206		mg/Kg		112	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	126		70 - 130								
o-Terphenyl	142	S1+	70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-87863/1-A

Matrix: Solid

Analysis Batch: 87937

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			08/09/24 19:23	1

Lab Sample ID: LCS 880-87863/2-A

Matrix: Solid

Analysis Batch: 87937

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Chloride	250	249.5		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-87863/3-A

Matrix: Solid

Analysis Batch: 87937

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limits
Chloride			250	250.5		mg/Kg		100	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-47007-1 MS

Matrix: Solid

Analysis Batch: 87937

Client Sample ID: S-1 (0-1.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	387	F1	252	597.6	F1	mg/Kg		84	90 - 110		

Lab Sample ID: 880-47007-1 MSD

Matrix: Solid

Analysis Batch: 87937

Client Sample ID: S-1 (0-1.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	387	F1	252	599.0	F1	mg/Kg		84	90 - 110	0	20

Lab Sample ID: 880-47007-11 MS

Matrix: Solid

Analysis Batch: 87937

Client Sample ID: S-3 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1140		252	1357	4	mg/Kg		88	90 - 110		

Lab Sample ID: 880-47007-11 MSD

Matrix: Solid

Analysis Batch: 87937

Client Sample ID: S-3 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1140		252	1360	4	mg/Kg		89	90 - 110	0	20

Lab Sample ID: MB 880-87864/1-A

Matrix: Solid

Analysis Batch: 87938

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			08/09/24 08:39	1

Lab Sample ID: LCS 880-87864/2-A

Matrix: Solid

Analysis Batch: 87938

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride		250	244.5		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-87864/3-A

Matrix: Solid

Analysis Batch: 87938

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	246.9		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 880-47007-21 MS

Matrix: Solid

Analysis Batch: 87938

Client Sample ID: S-5 (0-1.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	3540	F1	1250	5132	F1	mg/Kg		128	90 - 110		

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-47007-21 MSD Matrix: Solid Analysis Batch: 87938												Client Sample ID: S-5 (0-1.0') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	3540	F1	1250	5160	F1	mg/Kg		130	90 - 110	1	20		
Lab Sample ID: 880-47007-31 MS Matrix: Solid Analysis Batch: 87938												Client Sample ID: S-7 (2.0') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	36.5		249	290.0		mg/Kg		102	90 - 110				
Lab Sample ID: 880-47007-31 MSD Matrix: Solid Analysis Batch: 87938												Client Sample ID: S-7 (2.0') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	36.5		249	291.0		mg/Kg		102	90 - 110	0	20		
Lab Sample ID: MB 880-87865/1-A Matrix: Solid Analysis Batch: 87945												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			08/10/24 20:59	1				
Lab Sample ID: LCS 880-87865/2-A Matrix: Solid Analysis Batch: 87945												Client Sample ID: Lab Control Sample Prep Type: Soluble	
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride			250	250.3		mg/Kg		100	90 - 110				
Lab Sample ID: LCSD 880-87865/3-A Matrix: Solid Analysis Batch: 87945												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	244.1		mg/Kg		98	90 - 110	2	20		
Lab Sample ID: 880-47007-41 MS Matrix: Solid Analysis Batch: 87945												Client Sample ID: S-9 (1.5') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	202	F1	251	415.3	F1	mg/Kg		85	90 - 110				
Lab Sample ID: 880-47007-41 MSD Matrix: Solid Analysis Batch: 87945												Client Sample ID: S-9 (1.5') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	202	F1	251	415.1	F1	mg/Kg		85	90 - 110	0	20		

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QC Sample Results

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-47007-51 MS										Client Sample ID: S-10 (5.0')			
Matrix: Solid										Prep Type: Soluble			
Analysis Batch: 87945													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	138	F1	248	351.7	F1	mg/Kg		86	90 - 110				

Lab Sample ID: 880-47007-51 MSD										Client Sample ID: S-10 (5.0')			
Matrix: Solid										Prep Type: Soluble			
Analysis Batch: 87945													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	138	F1	248	352.2	F1	mg/Kg		86	90 - 110	0	20		

QC Association Summary

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

GC VOA

Prep Batch: 87908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-41	S-9 (1.5')	Total/NA	Solid	5035	
880-47007-42	S-9 (2.0')	Total/NA	Solid	5035	
880-47007-43	S-9 (3.0')	Total/NA	Solid	5035	
880-47007-44	S-9 (4.0')	Total/NA	Solid	5035	
880-47007-45	S-9 (5.0')	Total/NA	Solid	5035	
880-47007-46	S-10 (0-1.0')	Total/NA	Solid	5035	
880-47007-47	S-10 (1.5')	Total/NA	Solid	5035	
880-47007-48	S-10 (2.0')	Total/NA	Solid	5035	
880-47007-49	S-10 (3.0')	Total/NA	Solid	5035	
880-47007-50	S-10 (4.0')	Total/NA	Solid	5035	
MB 880-87908/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-87908/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-87908/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-47007-41 MS	S-9 (1.5')	Total/NA	Solid	5035	
880-47007-41 MSD	S-9 (1.5')	Total/NA	Solid	5035	

Prep Batch: 87910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-87910/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 87916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-1	S-1 (0-1.0')	Total/NA	Solid	5035	
880-47007-2	S-1 (1.5')	Total/NA	Solid	5035	
880-47007-3	S-1 (2.0')	Total/NA	Solid	5035	
880-47007-4	S-1 (3.0')	Total/NA	Solid	5035	
880-47007-5	S-2 (0-1.0')	Total/NA	Solid	5035	
880-47007-6	S-2 (1.5')	Total/NA	Solid	5035	
880-47007-7	S-2 (2.0')	Total/NA	Solid	5035	
880-47007-8	S-2 (3.0')	Total/NA	Solid	5035	
880-47007-9	S-2 (4.0')	Total/NA	Solid	5035	
880-47007-10	S-3 (0-1.0')	Total/NA	Solid	5035	
880-47007-11	S-3 (1.5')	Total/NA	Solid	5035	
880-47007-12	S-3 (2.0')	Total/NA	Solid	5035	
880-47007-13	S-3 (3.0')	Total/NA	Solid	5035	
880-47007-14	S-3 (4.0')	Total/NA	Solid	5035	
880-47007-15	S-4 (0-1.0')	Total/NA	Solid	5035	
880-47007-16	S-4 (1.5')	Total/NA	Solid	5035	
880-47007-17	S-4 (2.0')	Total/NA	Solid	5035	
880-47007-18	S-4 (3.0')	Total/NA	Solid	5035	
880-47007-19	S-4 (4.0')	Total/NA	Solid	5035	
880-47007-20	S-4 (5.0')	Total/NA	Solid	5035	
MB 880-87916/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-87916/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-87916/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-47007-1 MS	S-1 (0-1.0')	Total/NA	Solid	5035	
880-47007-1 MSD	S-1 (0-1.0')	Total/NA	Solid	5035	

Prep Batch: 87923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-21	S-5 (0-1.0')	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources

Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1

SDG: Lea County, NM

GC VOA (Continued)

Prep Batch: 87923 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-22	S-5 (1.5')	Total/NA	Solid	5035	
880-47007-23	S-5 (2.0')	Total/NA	Solid	5035	
880-47007-24	S-5 (3.0')	Total/NA	Solid	5035	
880-47007-25	S-5 (4.0')	Total/NA	Solid	5035	
880-47007-26	S-6 (0-1.0')	Total/NA	Solid	5035	
880-47007-27	S-6 (1.5')	Total/NA	Solid	5035	
880-47007-28	S-6 (2.0')	Total/NA	Solid	5035	
880-47007-29	S-7 (0-1.0')	Total/NA	Solid	5035	
880-47007-30	S-7 (1.5')	Total/NA	Solid	5035	
880-47007-31	S-7 (2.0')	Total/NA	Solid	5035	
880-47007-32	S-7 (3.0')	Total/NA	Solid	5035	
880-47007-33	S-7 (4.0')	Total/NA	Solid	5035	
880-47007-34	S-7 (5.0')	Total/NA	Solid	5035	
880-47007-35	S-8 (0-1.0')	Total/NA	Solid	5035	
880-47007-36	S-8 (1.5')	Total/NA	Solid	5035	
880-47007-37	S-8 (2.0')	Total/NA	Solid	5035	
880-47007-38	S-8 (3.0')	Total/NA	Solid	5035	
880-47007-39	S-8 (4.0')	Total/NA	Solid	5035	
880-47007-40	S-9 (0-1.0')	Total/NA	Solid	5035	
MB 880-87923/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-87923/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-87923/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-47007-21 MS	S-5 (0-1.0')	Total/NA	Solid	5035	
880-47007-21 MSD	S-5 (0-1.0')	Total/NA	Solid	5035	

Prep Batch: 87924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-87924/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 87964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-41	S-9 (1.5')	Total/NA	Solid	8021B	87908
880-47007-42	S-9 (2.0')	Total/NA	Solid	8021B	87908
880-47007-43	S-9 (3.0')	Total/NA	Solid	8021B	87908
880-47007-44	S-9 (4.0')	Total/NA	Solid	8021B	87908
880-47007-45	S-9 (5.0')	Total/NA	Solid	8021B	87908
880-47007-46	S-10 (0-1.0')	Total/NA	Solid	8021B	87908
880-47007-47	S-10 (1.5')	Total/NA	Solid	8021B	87908
880-47007-48	S-10 (2.0')	Total/NA	Solid	8021B	87908
880-47007-49	S-10 (3.0')	Total/NA	Solid	8021B	87908
880-47007-50	S-10 (4.0')	Total/NA	Solid	8021B	87908
MB 880-87908/5-A	Method Blank	Total/NA	Solid	8021B	87908
MB 880-87910/5-A	Method Blank	Total/NA	Solid	8021B	87910
LCS 880-87908/1-A	Lab Control Sample	Total/NA	Solid	8021B	87908
LCSD 880-87908/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	87908
880-47007-41 MS	S-9 (1.5')	Total/NA	Solid	8021B	87908
880-47007-41 MSD	S-9 (1.5')	Total/NA	Solid	8021B	87908

Analysis Batch: 88081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-21	S-5 (0-1.0')	Total/NA	Solid	8021B	87923

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 88081 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-22	S-5 (1.5')	Total/NA	Solid	8021B	87923
880-47007-23	S-5 (2.0')	Total/NA	Solid	8021B	87923
880-47007-24	S-5 (3.0')	Total/NA	Solid	8021B	87923
880-47007-25	S-5 (4.0')	Total/NA	Solid	8021B	87923
880-47007-26	S-6 (0-1.0')	Total/NA	Solid	8021B	87923
880-47007-27	S-6 (1.5')	Total/NA	Solid	8021B	87923
880-47007-28	S-6 (2.0')	Total/NA	Solid	8021B	87923
880-47007-29	S-7 (0-1.0')	Total/NA	Solid	8021B	87923
880-47007-30	S-7 (1.5')	Total/NA	Solid	8021B	87923
880-47007-31	S-7 (2.0')	Total/NA	Solid	8021B	87923
880-47007-32	S-7 (3.0')	Total/NA	Solid	8021B	87923
880-47007-33	S-7 (4.0')	Total/NA	Solid	8021B	87923
880-47007-34	S-7 (5.0')	Total/NA	Solid	8021B	87923
880-47007-35	S-8 (0-1.0')	Total/NA	Solid	8021B	87923
880-47007-36	S-8 (1.5')	Total/NA	Solid	8021B	87923
880-47007-37	S-8 (2.0')	Total/NA	Solid	8021B	87923
880-47007-38	S-8 (3.0')	Total/NA	Solid	8021B	87923
880-47007-39	S-8 (4.0')	Total/NA	Solid	8021B	87923
880-47007-40	S-9 (0-1.0')	Total/NA	Solid	8021B	87923
880-47007-51	S-10 (5.0')	Total/NA	Solid	8021B	88086
880-47007-52	S-11 (0-1.0')	Total/NA	Solid	8021B	88086
880-47007-53	S-11 (1.5')	Total/NA	Solid	8021B	88086
880-47007-54	S-11 (2.0')	Total/NA	Solid	8021B	88086
880-47007-55	S-11 (3.0')	Total/NA	Solid	8021B	88086
880-47007-56	S-11 (4.0')	Total/NA	Solid	8021B	88086
880-47007-57	S-11 (5.0')	Total/NA	Solid	8021B	88086
MB 880-87923/5-A	Method Blank	Total/NA	Solid	8021B	87923
MB 880-88086/5-A	Method Blank	Total/NA	Solid	8021B	88086
LCS 880-87923/1-A	Lab Control Sample	Total/NA	Solid	8021B	87923
LCS 880-88086/1-A	Lab Control Sample	Total/NA	Solid	8021B	88086
LCSD 880-87923/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	87923
LCSD 880-88086/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	88086
880-47007-21 MS	S-5 (0-1.0')	Total/NA	Solid	8021B	87923
880-47007-21 MSD	S-5 (0-1.0')	Total/NA	Solid	8021B	87923
880-47007-51 MS	S-10 (5.0')	Total/NA	Solid	8021B	88086
880-47007-51 MSD	S-10 (5.0')	Total/NA	Solid	8021B	88086

Prep Batch: 88086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-51	S-10 (5.0')	Total/NA	Solid	5035	
880-47007-52	S-11 (0-1.0')	Total/NA	Solid	5035	
880-47007-53	S-11 (1.5')	Total/NA	Solid	5035	
880-47007-54	S-11 (2.0')	Total/NA	Solid	5035	
880-47007-55	S-11 (3.0')	Total/NA	Solid	5035	
880-47007-56	S-11 (4.0')	Total/NA	Solid	5035	
880-47007-57	S-11 (5.0')	Total/NA	Solid	5035	
MB 880-88086/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-88086/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-88086/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-47007-51 MS	S-10 (5.0')	Total/NA	Solid	5035	
880-47007-51 MSD	S-10 (5.0')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 88135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-1	S-1 (0-1.0')	Total/NA	Solid	8021B	87916
880-47007-2	S-1 (1.5')	Total/NA	Solid	8021B	87916
880-47007-3	S-1 (2.0')	Total/NA	Solid	8021B	87916
880-47007-4	S-1 (3.0')	Total/NA	Solid	8021B	87916
880-47007-5	S-2 (0-1.0')	Total/NA	Solid	8021B	87916
880-47007-6	S-2 (1.5')	Total/NA	Solid	8021B	87916
880-47007-7	S-2 (2.0')	Total/NA	Solid	8021B	87916
880-47007-8	S-2 (3.0')	Total/NA	Solid	8021B	87916
880-47007-9	S-2 (4.0')	Total/NA	Solid	8021B	87916
880-47007-10	S-3 (0-1.0')	Total/NA	Solid	8021B	87916
880-47007-11	S-3 (1.5')	Total/NA	Solid	8021B	87916
880-47007-12	S-3 (2.0')	Total/NA	Solid	8021B	87916
880-47007-13	S-3 (3.0')	Total/NA	Solid	8021B	87916
880-47007-14	S-3 (4.0')	Total/NA	Solid	8021B	87916
880-47007-15	S-4 (0-1.0')	Total/NA	Solid	8021B	87916
880-47007-16	S-4 (1.5')	Total/NA	Solid	8021B	87916
880-47007-17	S-4 (2.0')	Total/NA	Solid	8021B	87916
880-47007-18	S-4 (3.0')	Total/NA	Solid	8021B	87916
880-47007-19	S-4 (4.0')	Total/NA	Solid	8021B	87916
880-47007-20	S-4 (5.0')	Total/NA	Solid	8021B	87916
MB 880-87916/5-A	Method Blank	Total/NA	Solid	8021B	87916
MB 880-87924/5-A	Method Blank	Total/NA	Solid	8021B	87924
LCS 880-87916/1-A	Lab Control Sample	Total/NA	Solid	8021B	87916
LCSD 880-87916/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	87916
880-47007-1 MS	S-1 (0-1.0')	Total/NA	Solid	8021B	87916
880-47007-1 MSD	S-1 (0-1.0')	Total/NA	Solid	8021B	87916

Analysis Batch: 88231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-1	S-1 (0-1.0')	Total/NA	Solid	Total BTEX	
880-47007-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-47007-3	S-1 (2.0')	Total/NA	Solid	Total BTEX	
880-47007-4	S-1 (3.0')	Total/NA	Solid	Total BTEX	
880-47007-5	S-2 (0-1.0')	Total/NA	Solid	Total BTEX	
880-47007-6	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-47007-7	S-2 (2.0')	Total/NA	Solid	Total BTEX	
880-47007-8	S-2 (3.0')	Total/NA	Solid	Total BTEX	
880-47007-9	S-2 (4.0')	Total/NA	Solid	Total BTEX	
880-47007-10	S-3 (0-1.0')	Total/NA	Solid	Total BTEX	
880-47007-11	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-47007-12	S-3 (2.0')	Total/NA	Solid	Total BTEX	
880-47007-13	S-3 (3.0')	Total/NA	Solid	Total BTEX	
880-47007-14	S-3 (4.0')	Total/NA	Solid	Total BTEX	
880-47007-15	S-4 (0-1.0')	Total/NA	Solid	Total BTEX	
880-47007-16	S-4 (1.5')	Total/NA	Solid	Total BTEX	
880-47007-17	S-4 (2.0')	Total/NA	Solid	Total BTEX	
880-47007-18	S-4 (3.0')	Total/NA	Solid	Total BTEX	
880-47007-19	S-4 (4.0')	Total/NA	Solid	Total BTEX	
880-47007-20	S-4 (5.0')	Total/NA	Solid	Total BTEX	
880-47007-21	S-5 (0-1.0')	Total/NA	Solid	Total BTEX	
880-47007-22	S-5 (1.5')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 88231 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-23	S-5 (2.0')	Total/NA	Solid	Total BTEX	
880-47007-24	S-5 (3.0')	Total/NA	Solid	Total BTEX	
880-47007-25	S-5 (4.0')	Total/NA	Solid	Total BTEX	
880-47007-26	S-6 (0-1.0')	Total/NA	Solid	Total BTEX	
880-47007-27	S-6 (1.5')	Total/NA	Solid	Total BTEX	
880-47007-28	S-6 (2.0')	Total/NA	Solid	Total BTEX	
880-47007-29	S-7 (0-1.0')	Total/NA	Solid	Total BTEX	
880-47007-30	S-7 (1.5')	Total/NA	Solid	Total BTEX	
880-47007-31	S-7 (2.0')	Total/NA	Solid	Total BTEX	
880-47007-32	S-7 (3.0')	Total/NA	Solid	Total BTEX	
880-47007-33	S-7 (4.0')	Total/NA	Solid	Total BTEX	
880-47007-34	S-7 (5.0')	Total/NA	Solid	Total BTEX	
880-47007-35	S-8 (0-1.0')	Total/NA	Solid	Total BTEX	
880-47007-36	S-8 (1.5')	Total/NA	Solid	Total BTEX	
880-47007-37	S-8 (2.0')	Total/NA	Solid	Total BTEX	
880-47007-38	S-8 (3.0')	Total/NA	Solid	Total BTEX	
880-47007-39	S-8 (4.0')	Total/NA	Solid	Total BTEX	
880-47007-40	S-9 (0-1.0')	Total/NA	Solid	Total BTEX	
880-47007-41	S-9 (1.5')	Total/NA	Solid	Total BTEX	
880-47007-42	S-9 (2.0')	Total/NA	Solid	Total BTEX	
880-47007-43	S-9 (3.0')	Total/NA	Solid	Total BTEX	
880-47007-44	S-9 (4.0')	Total/NA	Solid	Total BTEX	
880-47007-45	S-9 (5.0')	Total/NA	Solid	Total BTEX	
880-47007-46	S-10 (0-1.0')	Total/NA	Solid	Total BTEX	
880-47007-47	S-10 (1.5')	Total/NA	Solid	Total BTEX	
880-47007-48	S-10 (2.0')	Total/NA	Solid	Total BTEX	
880-47007-49	S-10 (3.0')	Total/NA	Solid	Total BTEX	
880-47007-50	S-10 (4.0')	Total/NA	Solid	Total BTEX	
880-47007-51	S-10 (5.0')	Total/NA	Solid	Total BTEX	
880-47007-52	S-11 (0-1.0')	Total/NA	Solid	Total BTEX	
880-47007-53	S-11 (1.5')	Total/NA	Solid	Total BTEX	
880-47007-54	S-11 (2.0')	Total/NA	Solid	Total BTEX	
880-47007-55	S-11 (3.0')	Total/NA	Solid	Total BTEX	
880-47007-56	S-11 (4.0')	Total/NA	Solid	Total BTEX	
880-47007-57	S-11 (5.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 87748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-1	S-1 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-47007-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-47007-3	S-1 (2.0')	Total/NA	Solid	8015NM Prep	
880-47007-4	S-1 (3.0')	Total/NA	Solid	8015NM Prep	
880-47007-45	S-9 (5.0')	Total/NA	Solid	8015NM Prep	
MB 880-87748/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-87748/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-87748/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-46963-A-18-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-46963-A-18-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

GC Semi VOA

Prep Batch: 87842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-5	S-2 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-47007-6	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-47007-7	S-2 (2.0')	Total/NA	Solid	8015NM Prep	
880-47007-8	S-2 (3.0')	Total/NA	Solid	8015NM Prep	
880-47007-9	S-2 (4.0')	Total/NA	Solid	8015NM Prep	
880-47007-10	S-3 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-47007-11	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-47007-12	S-3 (2.0')	Total/NA	Solid	8015NM Prep	
880-47007-13	S-3 (3.0')	Total/NA	Solid	8015NM Prep	
880-47007-14	S-3 (4.0')	Total/NA	Solid	8015NM Prep	
880-47007-15	S-4 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-47007-16	S-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-47007-17	S-4 (2.0')	Total/NA	Solid	8015NM Prep	
880-47007-18	S-4 (3.0')	Total/NA	Solid	8015NM Prep	
880-47007-19	S-4 (4.0')	Total/NA	Solid	8015NM Prep	
880-47007-20	S-4 (5.0')	Total/NA	Solid	8015NM Prep	
880-47007-21	S-5 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-47007-22	S-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-47007-23	S-5 (2.0')	Total/NA	Solid	8015NM Prep	
880-47007-24	S-5 (3.0')	Total/NA	Solid	8015NM Prep	
MB 880-87842/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-87842/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-87842/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-47007-5 MS	S-2 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-47007-5 MSD	S-2 (0-1.0')	Total/NA	Solid	8015NM Prep	

Prep Batch: 87845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-25	S-5 (4.0')	Total/NA	Solid	8015NM Prep	
880-47007-26	S-6 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-47007-27	S-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-47007-28	S-6 (2.0')	Total/NA	Solid	8015NM Prep	
880-47007-29	S-7 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-47007-30	S-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-47007-31	S-7 (2.0')	Total/NA	Solid	8015NM Prep	
880-47007-32	S-7 (3.0')	Total/NA	Solid	8015NM Prep	
880-47007-33	S-7 (4.0')	Total/NA	Solid	8015NM Prep	
880-47007-34	S-7 (5.0')	Total/NA	Solid	8015NM Prep	
880-47007-35	S-8 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-47007-36	S-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-47007-37	S-8 (2.0')	Total/NA	Solid	8015NM Prep	
880-47007-38	S-8 (3.0')	Total/NA	Solid	8015NM Prep	
880-47007-39	S-8 (4.0')	Total/NA	Solid	8015NM Prep	
880-47007-40	S-9 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-47007-41	S-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-47007-42	S-9 (2.0')	Total/NA	Solid	8015NM Prep	
880-47007-43	S-9 (3.0')	Total/NA	Solid	8015NM Prep	
880-47007-44	S-9 (4.0')	Total/NA	Solid	8015NM Prep	
MB 880-87845/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-87845/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-87845/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 87845 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-25 MS	S-5 (4.0')	Total/NA	Solid	8015NM Prep	
880-47007-25 MSD	S-5 (4.0')	Total/NA	Solid	8015NM Prep	

Prep Batch: 87921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-46	S-10 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-47007-47	S-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-47007-48	S-10 (2.0')	Total/NA	Solid	8015NM Prep	
880-47007-49	S-10 (3.0')	Total/NA	Solid	8015NM Prep	
880-47007-50	S-10 (4.0')	Total/NA	Solid	8015NM Prep	
880-47007-51	S-10 (5.0')	Total/NA	Solid	8015NM Prep	
880-47007-52	S-11 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-47007-53	S-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-47007-54	S-11 (2.0')	Total/NA	Solid	8015NM Prep	
880-47007-55	S-11 (3.0')	Total/NA	Solid	8015NM Prep	
880-47007-56	S-11 (4.0')	Total/NA	Solid	8015NM Prep	
880-47007-57	S-11 (5.0')	Total/NA	Solid	8015NM Prep	
MB 880-87921/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-87921/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-87921/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-47007-46 MS	S-10 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-47007-46 MSD	S-10 (0-1.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 87951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-5	S-2 (0-1.0')	Total/NA	Solid	8015B NM	87842
880-47007-6	S-2 (1.5')	Total/NA	Solid	8015B NM	87842
880-47007-7	S-2 (2.0')	Total/NA	Solid	8015B NM	87842
880-47007-8	S-2 (3.0')	Total/NA	Solid	8015B NM	87842
880-47007-9	S-2 (4.0')	Total/NA	Solid	8015B NM	87842
880-47007-10	S-3 (0-1.0')	Total/NA	Solid	8015B NM	87842
880-47007-11	S-3 (1.5')	Total/NA	Solid	8015B NM	87842
880-47007-12	S-3 (2.0')	Total/NA	Solid	8015B NM	87842
880-47007-13	S-3 (3.0')	Total/NA	Solid	8015B NM	87842
880-47007-14	S-3 (4.0')	Total/NA	Solid	8015B NM	87842
880-47007-15	S-4 (0-1.0')	Total/NA	Solid	8015B NM	87842
880-47007-16	S-4 (1.5')	Total/NA	Solid	8015B NM	87842
880-47007-17	S-4 (2.0')	Total/NA	Solid	8015B NM	87842
880-47007-18	S-4 (3.0')	Total/NA	Solid	8015B NM	87842
880-47007-19	S-4 (4.0')	Total/NA	Solid	8015B NM	87842
880-47007-20	S-4 (5.0')	Total/NA	Solid	8015B NM	87842
880-47007-21	S-5 (0-1.0')	Total/NA	Solid	8015B NM	87842
880-47007-22	S-5 (1.5')	Total/NA	Solid	8015B NM	87842
880-47007-23	S-5 (2.0')	Total/NA	Solid	8015B NM	87842
880-47007-24	S-5 (3.0')	Total/NA	Solid	8015B NM	87842
MB 880-87842/1-A	Method Blank	Total/NA	Solid	8015B NM	87842
LCS 880-87842/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	87842
LCSD 880-87842/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	87842
880-47007-5 MS	S-2 (0-1.0')	Total/NA	Solid	8015B NM	87842
880-47007-5 MSD	S-2 (0-1.0')	Total/NA	Solid	8015B NM	87842

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

GC Semi VOA

Analysis Batch: 87953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-25	S-5 (4.0')	Total/NA	Solid	8015B NM	87845
880-47007-26	S-6 (0-1.0')	Total/NA	Solid	8015B NM	87845
880-47007-27	S-6 (1.5')	Total/NA	Solid	8015B NM	87845
880-47007-28	S-6 (2.0')	Total/NA	Solid	8015B NM	87845
880-47007-29	S-7 (0-1.0')	Total/NA	Solid	8015B NM	87845
880-47007-30	S-7 (1.5')	Total/NA	Solid	8015B NM	87845
880-47007-31	S-7 (2.0')	Total/NA	Solid	8015B NM	87845
880-47007-32	S-7 (3.0')	Total/NA	Solid	8015B NM	87845
880-47007-33	S-7 (4.0')	Total/NA	Solid	8015B NM	87845
880-47007-34	S-7 (5.0')	Total/NA	Solid	8015B NM	87845
880-47007-35	S-8 (0-1.0')	Total/NA	Solid	8015B NM	87845
880-47007-36	S-8 (1.5')	Total/NA	Solid	8015B NM	87845
880-47007-37	S-8 (2.0')	Total/NA	Solid	8015B NM	87845
880-47007-38	S-8 (3.0')	Total/NA	Solid	8015B NM	87845
880-47007-39	S-8 (4.0')	Total/NA	Solid	8015B NM	87845
880-47007-40	S-9 (0-1.0')	Total/NA	Solid	8015B NM	87845
880-47007-41	S-9 (1.5')	Total/NA	Solid	8015B NM	87845
880-47007-42	S-9 (2.0')	Total/NA	Solid	8015B NM	87845
880-47007-43	S-9 (3.0')	Total/NA	Solid	8015B NM	87845
880-47007-44	S-9 (4.0')	Total/NA	Solid	8015B NM	87845
MB 880-87845/1-A	Method Blank	Total/NA	Solid	8015B NM	87845
LCS 880-87845/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	87845
LCSD 880-87845/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	87845
880-47007-25 MS	S-5 (4.0')	Total/NA	Solid	8015B NM	87845
880-47007-25 MSD	S-5 (4.0')	Total/NA	Solid	8015B NM	87845

Analysis Batch: 88019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-46	S-10 (0-1.0')	Total/NA	Solid	8015B NM	87921
880-47007-47	S-10 (1.5')	Total/NA	Solid	8015B NM	87921
880-47007-48	S-10 (2.0')	Total/NA	Solid	8015B NM	87921
880-47007-49	S-10 (3.0')	Total/NA	Solid	8015B NM	87921
880-47007-50	S-10 (4.0')	Total/NA	Solid	8015B NM	87921
880-47007-51	S-10 (5.0')	Total/NA	Solid	8015B NM	87921
880-47007-52	S-11 (0-1.0')	Total/NA	Solid	8015B NM	87921
880-47007-53	S-11 (1.5')	Total/NA	Solid	8015B NM	87921
880-47007-54	S-11 (2.0')	Total/NA	Solid	8015B NM	87921
880-47007-55	S-11 (3.0')	Total/NA	Solid	8015B NM	87921
880-47007-56	S-11 (4.0')	Total/NA	Solid	8015B NM	87921
880-47007-57	S-11 (5.0')	Total/NA	Solid	8015B NM	87921
MB 880-87921/1-A	Method Blank	Total/NA	Solid	8015B NM	87921
LCS 880-87921/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	87921
LCSD 880-87921/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	87921
880-47007-46 MS	S-10 (0-1.0')	Total/NA	Solid	8015B NM	87921
880-47007-46 MSD	S-10 (0-1.0')	Total/NA	Solid	8015B NM	87921

Analysis Batch: 88090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-1	S-1 (0-1.0')	Total/NA	Solid	8015B NM	87748
880-47007-2	S-1 (1.5')	Total/NA	Solid	8015B NM	87748
880-47007-3	S-1 (2.0')	Total/NA	Solid	8015B NM	87748

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 88090 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-4	S-1 (3.0')	Total/NA	Solid	8015B NM	87748
880-47007-45	S-9 (5.0')	Total/NA	Solid	8015B NM	87748
MB 880-87748/1-A	Method Blank	Total/NA	Solid	8015B NM	87748
LCS 880-87748/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	87748
LCSD 880-87748/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	87748
880-46963-A-18-D MS	Matrix Spike	Total/NA	Solid	8015B NM	87748
880-46963-A-18-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	87748

Analysis Batch: 88118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-1	S-1 (0-1.0')	Total/NA	Solid	8015 NM	
880-47007-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-47007-3	S-1 (2.0')	Total/NA	Solid	8015 NM	
880-47007-4	S-1 (3.0')	Total/NA	Solid	8015 NM	
880-47007-5	S-2 (0-1.0')	Total/NA	Solid	8015 NM	
880-47007-6	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-47007-7	S-2 (2.0')	Total/NA	Solid	8015 NM	
880-47007-8	S-2 (3.0')	Total/NA	Solid	8015 NM	
880-47007-9	S-2 (4.0')	Total/NA	Solid	8015 NM	
880-47007-10	S-3 (0-1.0')	Total/NA	Solid	8015 NM	
880-47007-11	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-47007-12	S-3 (2.0')	Total/NA	Solid	8015 NM	
880-47007-13	S-3 (3.0')	Total/NA	Solid	8015 NM	
880-47007-14	S-3 (4.0')	Total/NA	Solid	8015 NM	
880-47007-15	S-4 (0-1.0')	Total/NA	Solid	8015 NM	
880-47007-16	S-4 (1.5')	Total/NA	Solid	8015 NM	
880-47007-17	S-4 (2.0')	Total/NA	Solid	8015 NM	
880-47007-18	S-4 (3.0')	Total/NA	Solid	8015 NM	
880-47007-19	S-4 (4.0')	Total/NA	Solid	8015 NM	
880-47007-20	S-4 (5.0')	Total/NA	Solid	8015 NM	
880-47007-21	S-5 (0-1.0')	Total/NA	Solid	8015 NM	
880-47007-22	S-5 (1.5')	Total/NA	Solid	8015 NM	
880-47007-23	S-5 (2.0')	Total/NA	Solid	8015 NM	
880-47007-24	S-5 (3.0')	Total/NA	Solid	8015 NM	
880-47007-25	S-5 (4.0')	Total/NA	Solid	8015 NM	
880-47007-26	S-6 (0-1.0')	Total/NA	Solid	8015 NM	
880-47007-27	S-6 (1.5')	Total/NA	Solid	8015 NM	
880-47007-28	S-6 (2.0')	Total/NA	Solid	8015 NM	
880-47007-29	S-7 (0-1.0')	Total/NA	Solid	8015 NM	
880-47007-30	S-7 (1.5')	Total/NA	Solid	8015 NM	
880-47007-31	S-7 (2.0')	Total/NA	Solid	8015 NM	
880-47007-32	S-7 (3.0')	Total/NA	Solid	8015 NM	
880-47007-33	S-7 (4.0')	Total/NA	Solid	8015 NM	
880-47007-34	S-7 (5.0')	Total/NA	Solid	8015 NM	
880-47007-35	S-8 (0-1.0')	Total/NA	Solid	8015 NM	
880-47007-36	S-8 (1.5')	Total/NA	Solid	8015 NM	
880-47007-37	S-8 (2.0')	Total/NA	Solid	8015 NM	
880-47007-38	S-8 (3.0')	Total/NA	Solid	8015 NM	
880-47007-39	S-8 (4.0')	Total/NA	Solid	8015 NM	
880-47007-40	S-9 (0-1.0')	Total/NA	Solid	8015 NM	
880-47007-41	S-9 (1.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 88118 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-42	S-9 (2.0')	Total/NA	Solid	8015 NM	
880-47007-43	S-9 (3.0')	Total/NA	Solid	8015 NM	
880-47007-44	S-9 (4.0')	Total/NA	Solid	8015 NM	
880-47007-45	S-9 (5.0')	Total/NA	Solid	8015 NM	
880-47007-46	S-10 (0-1.0')	Total/NA	Solid	8015 NM	
880-47007-47	S-10 (1.5')	Total/NA	Solid	8015 NM	
880-47007-48	S-10 (2.0')	Total/NA	Solid	8015 NM	
880-47007-49	S-10 (3.0')	Total/NA	Solid	8015 NM	
880-47007-50	S-10 (4.0')	Total/NA	Solid	8015 NM	
880-47007-51	S-10 (5.0')	Total/NA	Solid	8015 NM	
880-47007-52	S-11 (0-1.0')	Total/NA	Solid	8015 NM	
880-47007-53	S-11 (1.5')	Total/NA	Solid	8015 NM	
880-47007-54	S-11 (2.0')	Total/NA	Solid	8015 NM	
880-47007-55	S-11 (3.0')	Total/NA	Solid	8015 NM	
880-47007-56	S-11 (4.0')	Total/NA	Solid	8015 NM	
880-47007-57	S-11 (5.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 87863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-1	S-1 (0-1.0')	Soluble	Solid	DI Leach	
880-47007-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-47007-3	S-1 (2.0')	Soluble	Solid	DI Leach	
880-47007-4	S-1 (3.0')	Soluble	Solid	DI Leach	
880-47007-5	S-2 (0-1.0')	Soluble	Solid	DI Leach	
880-47007-6	S-2 (1.5')	Soluble	Solid	DI Leach	
880-47007-7	S-2 (2.0')	Soluble	Solid	DI Leach	
880-47007-8	S-2 (3.0')	Soluble	Solid	DI Leach	
880-47007-9	S-2 (4.0')	Soluble	Solid	DI Leach	
880-47007-10	S-3 (0-1.0')	Soluble	Solid	DI Leach	
880-47007-11	S-3 (1.5')	Soluble	Solid	DI Leach	
880-47007-12	S-3 (2.0')	Soluble	Solid	DI Leach	
880-47007-13	S-3 (3.0')	Soluble	Solid	DI Leach	
880-47007-14	S-3 (4.0')	Soluble	Solid	DI Leach	
880-47007-15	S-4 (0-1.0')	Soluble	Solid	DI Leach	
880-47007-16	S-4 (1.5')	Soluble	Solid	DI Leach	
880-47007-17	S-4 (2.0')	Soluble	Solid	DI Leach	
880-47007-18	S-4 (3.0')	Soluble	Solid	DI Leach	
880-47007-19	S-4 (4.0')	Soluble	Solid	DI Leach	
880-47007-20	S-4 (5.0')	Soluble	Solid	DI Leach	
MB 880-87863/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-87863/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-87863/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-47007-1 MS	S-1 (0-1.0')	Soluble	Solid	DI Leach	
880-47007-1 MSD	S-1 (0-1.0')	Soluble	Solid	DI Leach	
880-47007-11 MS	S-3 (1.5')	Soluble	Solid	DI Leach	
880-47007-11 MSD	S-3 (1.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

HPLC/IC

Leach Batch: 87864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-21	S-5 (0-1.0')	Soluble	Solid	DI Leach	
880-47007-22	S-5 (1.5')	Soluble	Solid	DI Leach	
880-47007-23	S-5 (2.0')	Soluble	Solid	DI Leach	
880-47007-24	S-5 (3.0')	Soluble	Solid	DI Leach	
880-47007-25	S-5 (4.0')	Soluble	Solid	DI Leach	
880-47007-26	S-6 (0-1.0')	Soluble	Solid	DI Leach	
880-47007-27	S-6 (1.5')	Soluble	Solid	DI Leach	
880-47007-28	S-6 (2.0')	Soluble	Solid	DI Leach	
880-47007-29	S-7 (0-1.0')	Soluble	Solid	DI Leach	
880-47007-30	S-7 (1.5')	Soluble	Solid	DI Leach	
880-47007-31	S-7 (2.0')	Soluble	Solid	DI Leach	
880-47007-32	S-7 (3.0')	Soluble	Solid	DI Leach	
880-47007-33	S-7 (4.0')	Soluble	Solid	DI Leach	
880-47007-34	S-7 (5.0')	Soluble	Solid	DI Leach	
880-47007-35	S-8 (0-1.0')	Soluble	Solid	DI Leach	
880-47007-36	S-8 (1.5')	Soluble	Solid	DI Leach	
880-47007-37	S-8 (2.0')	Soluble	Solid	DI Leach	
880-47007-38	S-8 (3.0')	Soluble	Solid	DI Leach	
880-47007-39	S-8 (4.0')	Soluble	Solid	DI Leach	
880-47007-40	S-9 (0-1.0')	Soluble	Solid	DI Leach	
MB 880-87864/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-87864/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-87864/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-47007-21 MS	S-5 (0-1.0')	Soluble	Solid	DI Leach	
880-47007-21 MSD	S-5 (0-1.0')	Soluble	Solid	DI Leach	
880-47007-31 MS	S-7 (2.0')	Soluble	Solid	DI Leach	
880-47007-31 MSD	S-7 (2.0')	Soluble	Solid	DI Leach	

Leach Batch: 87865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-41	S-9 (1.5')	Soluble	Solid	DI Leach	
880-47007-42	S-9 (2.0')	Soluble	Solid	DI Leach	
880-47007-43	S-9 (3.0')	Soluble	Solid	DI Leach	
880-47007-44	S-9 (4.0')	Soluble	Solid	DI Leach	
880-47007-45	S-9 (5.0')	Soluble	Solid	DI Leach	
880-47007-46	S-10 (0-1.0')	Soluble	Solid	DI Leach	
880-47007-47	S-10 (1.5')	Soluble	Solid	DI Leach	
880-47007-48	S-10 (2.0')	Soluble	Solid	DI Leach	
880-47007-49	S-10 (3.0')	Soluble	Solid	DI Leach	
880-47007-50	S-10 (4.0')	Soluble	Solid	DI Leach	
880-47007-51	S-10 (5.0')	Soluble	Solid	DI Leach	
880-47007-52	S-11 (0-1.0')	Soluble	Solid	DI Leach	
880-47007-53	S-11 (1.5')	Soluble	Solid	DI Leach	
880-47007-54	S-11 (2.0')	Soluble	Solid	DI Leach	
880-47007-55	S-11 (3.0')	Soluble	Solid	DI Leach	
880-47007-56	S-11 (4.0')	Soluble	Solid	DI Leach	
880-47007-57	S-11 (5.0')	Soluble	Solid	DI Leach	
MB 880-87865/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-87865/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-87865/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-47007-41 MS	S-9 (1.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 87865 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-41 MSD	S-9 (1.5')	Soluble	Solid	DI Leach	
880-47007-51 MS	S-10 (5.0')	Soluble	Solid	DI Leach	
880-47007-51 MSD	S-10 (5.0')	Soluble	Solid	DI Leach	

Analysis Batch: 87937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-1	S-1 (0-1.0')	Soluble	Solid	300.0	87863
880-47007-2	S-1 (1.5')	Soluble	Solid	300.0	87863
880-47007-3	S-1 (2.0')	Soluble	Solid	300.0	87863
880-47007-4	S-1 (3.0')	Soluble	Solid	300.0	87863
880-47007-5	S-2 (0-1.0')	Soluble	Solid	300.0	87863
880-47007-6	S-2 (1.5')	Soluble	Solid	300.0	87863
880-47007-7	S-2 (2.0')	Soluble	Solid	300.0	87863
880-47007-8	S-2 (3.0')	Soluble	Solid	300.0	87863
880-47007-9	S-2 (4.0')	Soluble	Solid	300.0	87863
880-47007-10	S-3 (0-1.0')	Soluble	Solid	300.0	87863
880-47007-11	S-3 (1.5')	Soluble	Solid	300.0	87863
880-47007-12	S-3 (2.0')	Soluble	Solid	300.0	87863
880-47007-13	S-3 (3.0')	Soluble	Solid	300.0	87863
880-47007-14	S-3 (4.0')	Soluble	Solid	300.0	87863
880-47007-15	S-4 (0-1.0')	Soluble	Solid	300.0	87863
880-47007-16	S-4 (1.5')	Soluble	Solid	300.0	87863
880-47007-17	S-4 (2.0')	Soluble	Solid	300.0	87863
880-47007-18	S-4 (3.0')	Soluble	Solid	300.0	87863
880-47007-19	S-4 (4.0')	Soluble	Solid	300.0	87863
880-47007-20	S-4 (5.0')	Soluble	Solid	300.0	87863
MB 880-87863/1-A	Method Blank	Soluble	Solid	300.0	87863
LCS 880-87863/2-A	Lab Control Sample	Soluble	Solid	300.0	87863
LCSD 880-87863/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	87863
880-47007-1 MS	S-1 (0-1.0')	Soluble	Solid	300.0	87863
880-47007-1 MSD	S-1 (0-1.0')	Soluble	Solid	300.0	87863
880-47007-11 MS	S-3 (1.5')	Soluble	Solid	300.0	87863
880-47007-11 MSD	S-3 (1.5')	Soluble	Solid	300.0	87863

Analysis Batch: 87938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-21	S-5 (0-1.0')	Soluble	Solid	300.0	87864
880-47007-22	S-5 (1.5')	Soluble	Solid	300.0	87864
880-47007-23	S-5 (2.0')	Soluble	Solid	300.0	87864
880-47007-24	S-5 (3.0')	Soluble	Solid	300.0	87864
880-47007-25	S-5 (4.0')	Soluble	Solid	300.0	87864
880-47007-26	S-6 (0-1.0')	Soluble	Solid	300.0	87864
880-47007-27	S-6 (1.5')	Soluble	Solid	300.0	87864
880-47007-28	S-6 (2.0')	Soluble	Solid	300.0	87864
880-47007-29	S-7 (0-1.0')	Soluble	Solid	300.0	87864
880-47007-30	S-7 (1.5')	Soluble	Solid	300.0	87864
880-47007-31	S-7 (2.0')	Soluble	Solid	300.0	87864
880-47007-32	S-7 (3.0')	Soluble	Solid	300.0	87864
880-47007-33	S-7 (4.0')	Soluble	Solid	300.0	87864
880-47007-34	S-7 (5.0')	Soluble	Solid	300.0	87864
880-47007-35	S-8 (0-1.0')	Soluble	Solid	300.0	87864

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 87938 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-36	S-8 (1.5')	Soluble	Solid	300.0	87864
880-47007-37	S-8 (2.0')	Soluble	Solid	300.0	87864
880-47007-38	S-8 (3.0')	Soluble	Solid	300.0	87864
880-47007-39	S-8 (4.0')	Soluble	Solid	300.0	87864
880-47007-40	S-9 (0-1.0')	Soluble	Solid	300.0	87864
MB 880-87864/1-A	Method Blank	Soluble	Solid	300.0	87864
LCS 880-87864/2-A	Lab Control Sample	Soluble	Solid	300.0	87864
LCSD 880-87864/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	87864
880-47007-21 MS	S-5 (0-1.0')	Soluble	Solid	300.0	87864
880-47007-21 MSD	S-5 (0-1.0')	Soluble	Solid	300.0	87864
880-47007-31 MS	S-7 (2.0')	Soluble	Solid	300.0	87864
880-47007-31 MSD	S-7 (2.0')	Soluble	Solid	300.0	87864

Analysis Batch: 87945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47007-41	S-9 (1.5')	Soluble	Solid	300.0	87865
880-47007-42	S-9 (2.0')	Soluble	Solid	300.0	87865
880-47007-43	S-9 (3.0')	Soluble	Solid	300.0	87865
880-47007-44	S-9 (4.0')	Soluble	Solid	300.0	87865
880-47007-45	S-9 (5.0')	Soluble	Solid	300.0	87865
880-47007-46	S-10 (0-1.0')	Soluble	Solid	300.0	87865
880-47007-47	S-10 (1.5')	Soluble	Solid	300.0	87865
880-47007-48	S-10 (2.0')	Soluble	Solid	300.0	87865
880-47007-49	S-10 (3.0')	Soluble	Solid	300.0	87865
880-47007-50	S-10 (4.0')	Soluble	Solid	300.0	87865
880-47007-51	S-10 (5.0')	Soluble	Solid	300.0	87865
880-47007-52	S-11 (0-1.0')	Soluble	Solid	300.0	87865
880-47007-53	S-11 (1.5')	Soluble	Solid	300.0	87865
880-47007-54	S-11 (2.0')	Soluble	Solid	300.0	87865
880-47007-55	S-11 (3.0')	Soluble	Solid	300.0	87865
880-47007-56	S-11 (4.0')	Soluble	Solid	300.0	87865
880-47007-57	S-11 (5.0')	Soluble	Solid	300.0	87865
MB 880-87865/1-A	Method Blank	Soluble	Solid	300.0	87865
LCS 880-87865/2-A	Lab Control Sample	Soluble	Solid	300.0	87865
LCSD 880-87865/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	87865
880-47007-41 MS	S-9 (1.5')	Soluble	Solid	300.0	87865
880-47007-41 MSD	S-9 (1.5')	Soluble	Solid	300.0	87865
880-47007-51 MS	S-10 (5.0')	Soluble	Solid	300.0	87865
880-47007-51 MSD	S-10 (5.0')	Soluble	Solid	300.0	87865

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-1 (0-1.0')

Lab Sample ID: 880-47007-1

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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	87916	08/08/24 13:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88135	08/13/24 00:24	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/13/24 00:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/11/24 05:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87748	08/07/24 12:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88090	08/11/24 05:03	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	87863	08/08/24 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87937	08/09/24 19:39	CH	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-47007-2

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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	87916	08/08/24 13:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88135	08/13/24 00:45	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/13/24 00:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/11/24 05:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87748	08/07/24 12:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88090	08/11/24 05:19	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	87863	08/08/24 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87937	08/09/24 20:37	CH	EET MID

Client Sample ID: S-1 (2.0')

Lab Sample ID: 880-47007-3

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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	87916	08/08/24 13:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88135	08/13/24 01:05	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/13/24 01:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/11/24 05:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	87748	08/07/24 12:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88090	08/11/24 05:36	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	87863	08/08/24 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87937	08/09/24 20:42	CH	EET MID

Client Sample ID: S-1 (3.0')

Lab Sample ID: 880-47007-4

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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	87916	08/08/24 13:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88135	08/13/24 01:26	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/13/24 01:26	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-1 (3.0')

Lab Sample ID: 880-47007-4

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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			88118	08/11/24 05:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87748	08/07/24 12:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88090	08/11/24 05:52	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87863	08/08/24 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87937	08/09/24 19:55	CH	EET MID

Client Sample ID: S-2 (0-1.0')

Lab Sample ID: 880-47007-5

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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	87916	08/08/24 13:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88135	08/13/24 01:46	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/13/24 01:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	87842	08/08/24 09:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87951	08/09/24 10:37	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	87863	08/08/24 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87937	08/09/24 20:00	CH	EET MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-47007-6

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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	87916	08/08/24 13:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88135	08/13/24 02:07	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/13/24 02:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 11:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87842	08/08/24 09:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87951	08/09/24 11:40	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	87863	08/08/24 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87937	08/09/24 20:05	CH	EET MID

Client Sample ID: S-2 (2.0')

Lab Sample ID: 880-47007-7

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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	87916	08/08/24 13:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88135	08/13/24 02:27	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/13/24 02:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87842	08/08/24 09:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87951	08/09/24 12:01	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-2 (2.0')

Lab Sample ID: 880-47007-7

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	87863	08/08/24 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87937	08/09/24 20:10	CH	EET MID

Client Sample ID: S-2 (3.0')

Lab Sample ID: 880-47007-8

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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	87916	08/08/24 13:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88135	08/13/24 02:48	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/13/24 02:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 12:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87842	08/08/24 09:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87951	08/09/24 12:21	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	87863	08/08/24 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87937	08/09/24 20:26	CH	EET MID

Client Sample ID: S-2 (4.0')

Lab Sample ID: 880-47007-9

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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	87916	08/08/24 13:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88135	08/13/24 03:08	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/13/24 03:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 12:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87842	08/08/24 09:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87951	08/09/24 12:41	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	87863	08/08/24 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87937	08/09/24 20:31	CH	EET MID

Client Sample ID: S-3 (0-1.0')

Lab Sample ID: 880-47007-10

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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	87916	08/08/24 13:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88135	08/13/24 03:28	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/13/24 03:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 13:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87842	08/08/24 09:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87951	08/09/24 13:01	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	87863	08/08/24 11:00	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	87937	08/09/24 20:47	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-3 (1.5')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	87916	08/08/24 13:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88135	08/13/24 05:19	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/13/24 05:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 13:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	87842	08/08/24 09:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87951	08/09/24 13:21	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	87863	08/08/24 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87937	08/09/24 20:52	CH	EET MID

Client Sample ID: S-3 (2.0')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	87916	08/08/24 13:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88135	08/13/24 05:39	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/13/24 05:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 13:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87842	08/08/24 09:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87951	08/09/24 13:42	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87863	08/08/24 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87937	08/09/24 21:08	CH	EET MID

Client Sample ID: S-3 (3.0')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	87916	08/08/24 13:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88135	08/13/24 06:00	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/13/24 06:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 14:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	87842	08/08/24 09:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87951	08/09/24 14:02	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87863	08/08/24 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87937	08/09/24 21:13	CH	EET MID

Client Sample ID: S-3 (4.0')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	87916	08/08/24 13:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88135	08/13/24 06:20	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/13/24 06:20	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-3 (4.0')

Lab Sample ID: 880-47007-14

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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			88118	08/09/24 14:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87842	08/08/24 09:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87951	08/09/24 14:22	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	87863	08/08/24 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87937	08/09/24 21:29	CH	EET MID

Client Sample ID: S-4 (0-1.0')

Lab Sample ID: 880-47007-15

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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	87916	08/08/24 13:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88135	08/13/24 06:41	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/13/24 06:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 15:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87842	08/08/24 09:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87951	08/09/24 15:03	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87863	08/08/24 11:00	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	87937	08/09/24 21:34	CH	EET MID

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-47007-16

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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	87916	08/08/24 13:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88135	08/13/24 07:01	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/13/24 07:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 15:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87842	08/08/24 09:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87951	08/09/24 15:23	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	87863	08/08/24 11:00	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	87937	08/09/24 21:40	CH	EET MID

Client Sample ID: S-4 (2.0')

Lab Sample ID: 880-47007-17

Date Collected: 08/07/24 00:00

Matrix: Solid

Date Received: 08/07/24 16:20

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	87916	08/08/24 13:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88135	08/13/24 07:21	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/13/24 07:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87842	08/08/24 09:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87951	08/09/24 15:43	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-4 (2.0')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-17

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			4.96 g	50 mL	87863	08/08/24 11:00	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	87937	08/09/24 21:45	CH	EET MID

Client Sample ID: S-4 (3.0')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-18

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			5.01 g	5 mL	87916	08/08/24 13:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88135	08/13/24 07:42	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/13/24 07:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 16:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	87842	08/08/24 09:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87951	08/09/24 16:04	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	87863	08/08/24 11:00	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	87937	08/09/24 21:50	CH	EET MID

Client Sample ID: S-4 (4.0')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-19

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			5.00 g	5 mL	87916	08/08/24 13:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88135	08/13/24 08:02	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/13/24 08:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 16:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	87842	08/08/24 09:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87951	08/09/24 16:24	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87863	08/08/24 11:00	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	87937	08/09/24 21:55	CH	EET MID

Client Sample ID: S-4 (5.0')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-20

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			4.98 g	5 mL	87916	08/08/24 13:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88135	08/13/24 08:23	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/13/24 08:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 16:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87842	08/08/24 09:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87951	08/09/24 16:44	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	87863	08/08/24 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87937	08/09/24 22:00	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-5 (0-1.0')
Date Collected: 08/07/24 00:00
Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	87923	08/08/24 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/10/24 19:21	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/10/24 19:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 17:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87842	08/08/24 09:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87951	08/09/24 17:05	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87864	08/08/24 11:02	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	87938	08/09/24 08:55	SMC	EET MID

Client Sample ID: S-5 (1.5')
Date Collected: 08/07/24 00:00
Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	87923	08/08/24 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/10/24 19:41	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/10/24 19:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 17:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87842	08/08/24 09:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87951	08/09/24 17:25	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	87864	08/08/24 11:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87938	08/09/24 09:10	SMC	EET MID

Client Sample ID: S-5 (2.0')
Date Collected: 08/07/24 00:00
Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	87923	08/08/24 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/10/24 20:02	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/10/24 20:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 17:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87842	08/08/24 09:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87951	08/09/24 17:45	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87864	08/08/24 11:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87938	08/09/24 09:15	SMC	EET MID

Client Sample ID: S-5 (3.0')
Date Collected: 08/07/24 00:00
Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	87923	08/08/24 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/10/24 20:22	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/10/24 20:22	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-5 (3.0')
Date Collected: 08/07/24 00:00
Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			88118	08/09/24 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87842	08/08/24 09:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87951	08/09/24 18:05	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	87864	08/08/24 11:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87938	08/09/24 09:21	SMC	EET MID

Client Sample ID: S-5 (4.0')
Date Collected: 08/07/24 00:00
Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-25
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	87923	08/08/24 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/10/24 20:43	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/10/24 20:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 10:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87845	08/08/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87953	08/09/24 10:37	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87864	08/08/24 11:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87938	08/09/24 09:26	SMC	EET MID

Client Sample ID: S-6 (0-1.0')
Date Collected: 08/07/24 00:00
Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-26
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	87923	08/08/24 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/10/24 21:03	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/10/24 21:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 11:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87845	08/08/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87953	08/09/24 11:40	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	87864	08/08/24 11:02	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	87938	08/09/24 09:42	SMC	EET MID

Client Sample ID: S-6 (1.5')
Date Collected: 08/07/24 00:00
Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-27
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	87923	08/08/24 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/10/24 21:24	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/10/24 21:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	87845	08/08/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87953	08/09/24 12:01	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-6 (1.5')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-27

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			4.96 g	50 mL	87864	08/08/24 11:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87938	08/09/24 09:47	SMC	EET MID

Client Sample ID: S-6 (2.0')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-28

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			5.01 g	5 mL	87923	08/08/24 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/10/24 21:44	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/10/24 21:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 12:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87845	08/08/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87953	08/09/24 12:21	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	87864	08/08/24 11:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87938	08/09/24 10:23	SMC	EET MID

Client Sample ID: S-7 (0-1.0')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-29

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			5.00 g	5 mL	87923	08/08/24 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/10/24 22:05	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/10/24 22:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 12:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	87845	08/08/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87953	08/09/24 12:41	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	87864	08/08/24 11:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87938	08/09/24 10:29	SMC	EET MID

Client Sample ID: S-7 (1.5')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-30

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			5.03 g	5 mL	87923	08/08/24 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/10/24 22:25	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/10/24 22:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 13:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87845	08/08/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87953	08/09/24 13:01	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87864	08/08/24 11:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87938	08/09/24 10:34	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-7 (2.0')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-31

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			4.97 g	5 mL	87923	08/08/24 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/10/24 23:48	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/10/24 23:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 13:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87845	08/08/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87953	08/09/24 13:21	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87864	08/08/24 11:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87938	08/09/24 10:39	SMC	EET MID

Client Sample ID: S-7 (3.0')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-32

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			5.01 g	5 mL	87923	08/08/24 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/11/24 00:09	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/11/24 00:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 13:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	87845	08/08/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87953	08/09/24 13:42	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87864	08/08/24 11:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87938	08/09/24 10:55	SMC	EET MID

Client Sample ID: S-7 (4.0')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-33

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			5.03 g	5 mL	87923	08/08/24 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/11/24 00:29	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/11/24 00:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 14:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87845	08/08/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87953	08/09/24 14:02	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	87864	08/08/24 11:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87938	08/09/24 11:00	SMC	EET MID

Client Sample ID: S-7 (5.0')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-34

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			4.95 g	5 mL	87923	08/08/24 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/11/24 00:50	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/11/24 00:50	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-7 (5.0')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-34

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			88118	08/09/24 14:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87845	08/08/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87953	08/09/24 14:22	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87864	08/08/24 11:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87938	08/09/24 11:16	SMC	EET MID

Client Sample ID: S-8 (0-1.0')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-35

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	87923	08/08/24 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/11/24 01:10	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/11/24 01:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 15:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87845	08/08/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87953	08/09/24 15:03	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	87864	08/08/24 11:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87938	08/09/24 11:21	SMC	EET MID

Client Sample ID: S-8 (1.5')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-36

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	87923	08/08/24 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/11/24 01:31	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/11/24 01:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 15:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	87845	08/08/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87953	08/09/24 15:23	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	87864	08/08/24 11:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87938	08/09/24 11:26	SMC	EET MID

Client Sample ID: S-8 (2.0')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-37

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	87923	08/08/24 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/11/24 01:51	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/11/24 01:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87845	08/08/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87953	08/09/24 15:43	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-8 (2.0')
Date Collected: 08/07/24 00:00
Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-37
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			5.02 g	50 mL	87864	08/08/24 11:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87938	08/09/24 11:32	SMC	EET MID

Client Sample ID: S-8 (3.0')
Date Collected: 08/07/24 00:00
Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-38
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			4.98 g	5 mL	87923	08/08/24 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/11/24 02:12	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/11/24 02:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 16:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	87845	08/08/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87953	08/09/24 16:04	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	87864	08/08/24 11:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87938	08/09/24 11:37	SMC	EET MID

Client Sample ID: S-8 (4.0')
Date Collected: 08/07/24 00:00
Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-39
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			5.02 g	5 mL	87923	08/08/24 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/11/24 02:32	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/11/24 02:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 16:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87845	08/08/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87953	08/09/24 16:24	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87864	08/08/24 11:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87938	08/09/24 12:45	SMC	EET MID

Client Sample ID: S-9 (0-1.0')
Date Collected: 08/07/24 00:00
Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-40
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			5.03 g	5 mL	87923	08/08/24 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/11/24 02:53	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/11/24 02:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 16:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	87845	08/08/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87953	08/09/24 16:44	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	87864	08/08/24 11:02	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	87938	08/09/24 12:50	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-9 (1.5')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-41

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	87908	08/08/24 12:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87964	08/10/24 01:03	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/10/24 01:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 17:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	87845	08/08/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87953	08/09/24 17:05	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	87865	08/08/24 11:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87945	08/10/24 21:15	CH	EET MID

Client Sample ID: S-9 (2.0')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-42

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	87908	08/08/24 12:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87964	08/10/24 01:23	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/10/24 01:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 17:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87845	08/08/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87953	08/09/24 17:25	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87865	08/08/24 11:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87945	08/10/24 21:30	CH	EET MID

Client Sample ID: S-9 (3.0')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-43

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	87908	08/08/24 12:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87964	08/10/24 01:44	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/10/24 01:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 17:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87845	08/08/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87953	08/09/24 17:45	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87865	08/08/24 11:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87945	08/10/24 21:36	CH	EET MID

Client Sample ID: S-9 (4.0')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-44

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	87908	08/08/24 12:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87964	08/10/24 02:04	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/10/24 02:04	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-9 (4.0')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-44

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			88118	08/09/24 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	87845	08/08/24 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87953	08/09/24 18:05	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	87865	08/08/24 11:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87945	08/10/24 21:41	CH	EET MID

Client Sample ID: S-9 (5.0')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-45

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	87908	08/08/24 12:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87964	08/10/24 02:25	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/10/24 02:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/11/24 06:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	87748	08/07/24 12:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88090	08/11/24 06:07	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	87865	08/08/24 11:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87945	08/10/24 21:46	CH	EET MID

Client Sample ID: S-10 (0-1.0')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-46

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	87908	08/08/24 12:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87964	08/10/24 02:45	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/10/24 02:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 15:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87921	08/08/24 14:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88019	08/09/24 15:56	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87865	08/08/24 11:05	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	87945	08/10/24 22:02	CH	EET MID

Client Sample ID: S-10 (1.5')

Date Collected: 08/07/24 00:00

Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-47

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	87908	08/08/24 12:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87964	08/10/24 03:05	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/10/24 03:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 16:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	87921	08/08/24 14:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88019	08/09/24 16:49	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-10 (1.5')**Lab Sample ID: 880-47007-47****Date Collected: 08/07/24 00:00****Matrix: Solid****Date Received: 08/07/24 16:20**

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	87865	08/08/24 11:05	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	87945	08/10/24 22:07	CH	EET MID

Client Sample ID: S-10 (2.0')**Lab Sample ID: 880-47007-48****Date Collected: 08/07/24 00:00****Matrix: Solid****Date Received: 08/07/24 16:20**

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	87908	08/08/24 12:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87964	08/10/24 03:26	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/10/24 03:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 17:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87921	08/08/24 14:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88019	08/09/24 17:07	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87865	08/08/24 11:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87945	08/10/24 22:12	CH	EET MID

Client Sample ID: S-10 (3.0')**Lab Sample ID: 880-47007-49****Date Collected: 08/07/24 00:00****Matrix: Solid****Date Received: 08/07/24 16:20**

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	87908	08/08/24 12:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87964	08/10/24 03:46	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/10/24 03:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 17:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	87921	08/08/24 14:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88019	08/09/24 17:37	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	87865	08/08/24 11:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87945	08/10/24 22:17	CH	EET MID

Client Sample ID: S-10 (4.0')**Lab Sample ID: 880-47007-50****Date Collected: 08/07/24 00:00****Matrix: Solid****Date Received: 08/07/24 16:20**

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	87908	08/08/24 12:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87964	08/10/24 04:07	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/10/24 04:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 17:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87921	08/08/24 14:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88019	08/09/24 17:54	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	87865	08/08/24 11:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87945	08/10/24 22:23	CH	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-10 (5.0')
Date Collected: 08/07/24 00:00
Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-51
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	88086	08/10/24 16:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/11/24 05:56	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/11/24 05:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 18:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87921	08/08/24 14:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88019	08/09/24 18:12	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	87865	08/08/24 11:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87945	08/10/24 22:28	CH	EET MID

Client Sample ID: S-11 (0-1.0')
Date Collected: 08/07/24 00:00
Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-52
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	88086	08/10/24 16:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/11/24 06:17	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/11/24 06:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 18:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	87921	08/08/24 14:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88019	08/09/24 18:30	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	87865	08/08/24 11:05	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	87945	08/10/24 22:44	CH	EET MID

Client Sample ID: S-11 (1.5')
Date Collected: 08/07/24 00:00
Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-53
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	88086	08/10/24 16:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/11/24 06:37	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/11/24 06:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 18:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87921	08/08/24 14:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88019	08/09/24 18:47	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	87865	08/08/24 11:05	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	87945	08/10/24 22:49	CH	EET MID

Client Sample ID: S-11 (2.0')
Date Collected: 08/07/24 00:00
Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-54
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	88086	08/10/24 16:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/11/24 06:58	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/11/24 06:58	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-11 (2.0')
Date Collected: 08/07/24 00:00
Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-54
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			88118	08/09/24 19:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87921	08/08/24 14:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88019	08/09/24 19:05	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	87865	08/08/24 11:05	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	87945	08/10/24 23:05	CH	EET MID

Client Sample ID: S-11 (3.0')
Date Collected: 08/07/24 00:00
Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-55
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			5.04 g	5 mL	88086	08/10/24 16:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/11/24 07:18	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/11/24 07:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 19:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	87921	08/08/24 14:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88019	08/09/24 19:23	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	87865	08/08/24 11:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87945	08/10/24 23:10	CH	EET MID

Client Sample ID: S-11 (4.0')
Date Collected: 08/07/24 00:00
Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-56
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	88086	08/10/24 16:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/11/24 07:39	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/11/24 07:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 19:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87921	08/08/24 14:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88019	08/09/24 19:58	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87865	08/08/24 11:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87945	08/10/24 23:15	CH	EET MID

Client Sample ID: S-11 (5.0')
Date Collected: 08/07/24 00:00
Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-57
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	88086	08/10/24 16:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88081	08/11/24 07:59	EL	EET MID
Total/NA	Analysis	Total BTEX		1			88231	08/11/24 07:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			88118	08/09/24 20:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87921	08/08/24 14:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88019	08/09/24 20:15	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Client Sample ID: S-11 (5.0')
Date Collected: 08/07/24 00:00
Date Received: 08/07/24 16:20

Lab Sample ID: 880-47007-57
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			5.05 g	50 mL	87865	08/08/24 11:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87945	08/10/24 23:20	CH	EET MID

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

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: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

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: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-47007-1	S-1 (0-1.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-2	S-1 (1.5')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-3	S-1 (2.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-4	S-1 (3.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-5	S-2 (0-1.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-6	S-2 (1.5')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-7	S-2 (2.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-8	S-2 (3.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-9	S-2 (4.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-10	S-3 (0-1.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-11	S-3 (1.5')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-12	S-3 (2.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-13	S-3 (3.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-14	S-3 (4.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-15	S-4 (0-1.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-16	S-4 (1.5')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-17	S-4 (2.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-18	S-4 (3.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-19	S-4 (4.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-20	S-4 (5.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-21	S-5 (0-1.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-22	S-5 (1.5')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-23	S-5 (2.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-24	S-5 (3.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-25	S-5 (4.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-26	S-6 (0-1.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-27	S-6 (1.5')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-28	S-6 (2.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-29	S-7 (0-1.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-30	S-7 (1.5')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-31	S-7 (2.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-32	S-7 (3.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-33	S-7 (4.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-34	S-7 (5.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-35	S-8 (0-1.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-36	S-8 (1.5')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-37	S-8 (2.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-38	S-8 (3.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-39	S-8 (4.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-40	S-9 (0-1.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-41	S-9 (1.5')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-42	S-9 (2.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-43	S-9 (3.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-44	S-9 (4.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-45	S-9 (5.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-46	S-10 (0-1.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-47	S-10 (1.5')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-48	S-10 (2.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-49	S-10 (3.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-50	S-10 (4.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-51	S-10 (5.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-52	S-11 (0-1.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-53	S-11 (1.5')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-54	S-11 (2.0')	Solid	08/07/24 00:00	08/07/24 16:20

Sample Summary

Client: Carmona Resources
Project/Site: Norman B- 07.31.2024

Job ID: 880-47007-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-47007-55	S-11 (3.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-56	S-11 (4.0')	Solid	08/07/24 00:00	08/07/24 16:20
880-47007-57	S-11 (5.0')	Solid	08/07/24 00:00	08/07/24 16:20

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Chain of Custody

M



880-47007 Chain of Custody

-95 1 of 6

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level I ☐ Level II ☐ Level III ☐ PST/UST ☐ FRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Norman B - 07.31.2024	Turn Around	☒ Routine ☐ Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes		
Project Number:	2487	Due Date:	Normal												None: NO	DI Water: H ₂ O	
Project Location:	Lea County, NM														Cool: Cool	MeOH: Me	
Sampler's Name:	GPJ/CMM														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:	4.2													Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:	4.1													NaOH+Ascorbic Acid: SAPC	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments
S-1 (0-1.0')	8/7/2024		X		G	1	X	X	X								
S-1 (1.5')	8/7/2024		X		G	1	X	X	X								
S-1 (2.0')	8/7/2024		X		G	1	X	X	X								
S-1 (3.0')	8/7/2024		X		G	1	X	X	X								
S-2 (0-1.0')	8/7/2024		X		G	1	X	X	X								
S-2 (1.5')	8/7/2024		X		G	1	X	X	X								
S-2 (2.0')	8/7/2024		X		G	1	X	X	X								
S-2 (3.0')	8/7/2024		X		G	1	X	X	X								
S-2 (4.0')	8/7/2024		X		G	1	X	X	X								
S-3 (0-1.0')	8/7/2024		X		G	1	X	X	X								

Please send results to cmoehting@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		8/10/2024			

Chain of Custody

Work Order No: 47007

Page 2 of 6

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@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:	

Project Name:	Norman B - 07.31.2024	Turn Around	☒ Routine ☐ Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes		
Project Number:	2487	Due Date:	Normal															None: NO	DI Water: H ₂ O	
Project Location:	Lea County, NM																	Cool: Cool	MeOH: Me	
Sampler's Name:	GPJ/CMM																	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	Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes	No	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	
S-3 (1.5')	8/7/2024		X		G	1	X	X	X	X										
S-3 (2.0')	8/7/2024		X		G	1	X	X	X	X										
S-3 (3.0')	8/7/2024		X		G	1	X	X	X	X										
S-3 (4.0')	8/7/2024		X		G	1	X	X	X	X										
S-4 (0-1.0')	8/7/2024		X		G	1	X	X	X	X										
S-4 (1.5')	8/7/2024		X		G	1	X	X	X	X										
S-4 (2.0')	8/7/2024		X		G	1	X	X	X	X										
S-4 (3.0')	8/7/2024		X		G	1	X	X	X	X										
S-4 (4.0')	8/7/2024		X		G	1	X	X	X	X										
S-4 (5.0')	8/7/2024		X		G	1	X	X	X	X										

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		8/7/24 1000			

Chain of Custody

Work Order No: 47007

Page 3 of 6

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@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:	

Project Name:	Norman B - 07.31.2024	Turn Around	☒ Routine ☐ Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes		
Project Number:	2487	Due Date:	Normal															None: NO	DI Water: H ₂ O	
Project Location	Lea County, NM																	Cool: Cool	MeOH: Me	
Sampler's Name:	GPJ/CMM																	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 In tact:	Yes	No	Thermometer ID:																NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes	No	Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes	No	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	
S-5 (0-1.0')	8/7/2024		X		G	1	X	X	X	X										
S-5 (1.5')	8/7/2024		X		G	1	X	X	X	X										
S-5 (2.0')	8/7/2024		X		G	1	X	X	X	X										
S-5 (3.0')	8/7/2024		X		G	1	X	X	X	X										
S-5 (4.0')	8/7/2024		X		G	1	X	X	X	X										
S-6 (0-1.0')	8/7/2024		X		G	1	X	X	X	X										
S-6 (1.5')	8/7/2024		X		G	1	X	X	X	X										
S-6 (2.0')	8/7/2024		X		G	1	X	X	X	X										
S-7 (0-1.0')	8/7/2024		X		G	1	X	X	X	X										
S-7 (1.5')	8/7/2024		X		G	1	X	X	X	X										

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		8/7/2024 1600			

Chain of Custody

Work Order No: 47007

Page 4 of 6

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Norman B - 07.31.2024	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	2487	☒ Routine ☐ Rush															None: NO	DI Water: H ₂ O
Project Location	Lea County, NM	Due Date:	Normal														Cool: Cool	MeOH: Me
Sampler's Name:	GPJ/CMM																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	TPH												Sample Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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S-7 (2.0')	8/7/2024		X		G	1	X	X	X	X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		8/7/24 16:00			

Chain of Custody

Work Order No: 470071

Page 5 of 6

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Norman B - 07.31.2024	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	2487	☒ Routine ☐ Rush															None: NO	DI Water: H ₂ O
Project Location	Lea County, NM	Due Date:	Normal														Cool: Cool	MeOH: Me
Sampler's Name:	GPJ/CMM																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	TPH														Sample Comments
S-9 (1.5')	8/7/2024		X		G	1	X	X	X												
S-9 (2.0')	8/7/2024		X		G	1	X	X	X												
S-9 (3.0')	8/7/2024		X		G	1	X	X	X												
S-9 (4.0')	8/7/2024		X		G	1	X	X	X												
S-9 (5.0')	8/7/2024		X		G	1	X	X	X												
S-10 (0-1.0')	8/7/2024		X		G	1	X	X	X												
S-10 (1.5')	8/7/2024		X		G	1	X	X	X												
S-10 (2.0')	8/7/2024		X		G	1	X	X	X												
S-10 (3.0')	8/7/2024		X		G	1	X	X	X												
S-10 (4.0')	8/7/2024		X		G	1	X	X	X												

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		8/7/24 1600			

Chain of Custody

Work Order No: 47007

Page 6 of 6

Project Manager:	Ashton Thielke	Bill to: (if different)	Camrona Resources
Company Name:	Camrona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@camronaresources.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level I ☐ Level II ☐ Level III ☐ PST/UST ☐ FRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Norman B - 07.31.2024	Turn Around	☒ Routine ☐ Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes	
Project Number:	2487	Due Date:	Normal														None: NO	DI Water: H ₂ O	
Project Location:	Lea County, NM																Cool: Cool	MeOH: Me	
Sampler's Name:	GPJ/CMM																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: S APC	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments
S-10 (5.0')	8/7/2024		X		G	1	X	X	X										
S-11 (0-1.0')	8/7/2024		X		G	1	X	X	X										
S-11 (1.5')	8/7/2024		X		G	1	X	X	X										
S-11 (2.0')	8/7/2024		X		G	1	X	X	X										
S-11 (3.0')	8/7/2024		X		G	1	X	X	X										
S-11 (4.0')	8/7/2024		X		G	1	X	X	X										
S-11 (5.0')	8/7/2024		X		G	1	X	X	X										

Please send results to cmoehring@camronaresources.com and mcamrona@camronaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		8/7/24 16:00			

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-47007-1
SDG Number: Lea County, NM

Login Number: 47007

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

- 1
- 2
- 3
- 4
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- 10
- 11
- 12
- 13
- 14

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/9/2024 3:59:02 PM

JOB DESCRIPTION

Norman B (07.31.2024)
2542

JOB NUMBER

880-51850-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

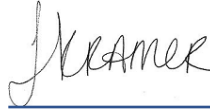
Eurofins Midland

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
12/9/2024 3:59:02 PM

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

Client: Carmona Resources
Project/Site: Norman B (07.31.2024)

Laboratory Job ID: 880-51850-1
SDG: 2542

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	9
QC Sample Results	10
QC Association Summary	16
Lab Chronicle	18
Certification Summary	19
Method Summary	20
Sample Summary	21
Chain of Custody	22
Receipt Checklists	23

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

Definitions/Glossary

Client: Carmona Resources
Project/Site: Norman B (07.31.2024)

Job ID: 880-51850-1
SDG: 2542

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
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: Norman B (07.31.2024)

Job ID: 880-51850-1

Job ID: 880-51850-1

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Job Narrative 880-51850-1

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 12/5/2024 4:51 PM. 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 3.2°C.

GC VOA

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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-97199 and analytical batch 880-97226 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 matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-97215 and analytical batch 880-97228 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.

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: Norman B (07.31.2024)

Job ID: 880-51850-1
SDG: 2542

Client Sample ID: H-11 (0-1')
Date Collected: 12/05/24 00:00
Date Received: 12/05/24 16:51

Lab Sample ID: 880-51850-1
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/24 08:28	12/06/24 12:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/24 08:28	12/06/24 12:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/24 08:28	12/06/24 12:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/06/24 08:28	12/06/24 12:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/24 08:28	12/06/24 12:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/06/24 08:28	12/06/24 12:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				12/06/24 08:28	12/06/24 12:08	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/06/24 08:28	12/06/24 12:08	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			12/06/24 12:08	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/06/24 11:46	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	<50.0	U	50.0		mg/Kg		12/06/24 08:21	12/06/24 11:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/06/24 08:21	12/06/24 11:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/06/24 08:21	12/06/24 11:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				12/06/24 08:21	12/06/24 11:46	1
o-Terphenyl	97		70 - 130				12/06/24 08:21	12/06/24 11:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.6		9.94		mg/Kg			12/07/24 04:06	1

Client Sample ID: H-12 (0-1')
Date Collected: 12/05/24 00:00
Date Received: 12/05/24 16:51

Lab Sample ID: 880-51850-2
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/06/24 08:28	12/06/24 12:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/06/24 08:28	12/06/24 12:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/06/24 08:28	12/06/24 12:28	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/06/24 08:28	12/06/24 12:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/06/24 08:28	12/06/24 12:28	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/06/24 08:28	12/06/24 12:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				12/06/24 08:28	12/06/24 12:28	1
1,4-Difluorobenzene (Surr)	103		70 - 130				12/06/24 08:28	12/06/24 12:28	1

Client Sample Results

Client: Carmona Resources
Project/Site: Norman B (07.31.2024)

Job ID: 880-51850-1
SDG: 2542

Client Sample ID: H-12 (0-1')
Date Collected: 12/05/24 00:00
Date Received: 12/05/24 16:51

Lab Sample ID: 880-51850-2
Matrix: Solid

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			12/06/24 12:28	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.7	U	49.7		mg/Kg			12/06/24 11:31	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		12/05/24 16:25	12/06/24 11:31	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/05/24 16:25	12/06/24 11:31	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/05/24 16:25	12/06/24 11:31	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	105		70 - 130				12/05/24 16:25	12/06/24 11:31	1	
o-Terphenyl	82		70 - 130				12/05/24 16:25	12/06/24 11:31	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	70.5		9.92		mg/Kg			12/07/24 04:22	1	

Client Sample ID: H-13 (0-1')
Date Collected: 12/05/24 00:00
Date Received: 12/05/24 16:51

Lab Sample ID: 880-51850-3
Matrix: Solid

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		12/06/24 08:28	12/06/24 12:49	1	
Toluene	<0.00201	U	0.00201		mg/Kg		12/06/24 08:28	12/06/24 12:49	1	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/06/24 08:28	12/06/24 12:49	1	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/06/24 08:28	12/06/24 12:49	1	
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/06/24 08:28	12/06/24 12:49	1	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/06/24 08:28	12/06/24 12:49	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	106		70 - 130				12/06/24 08:28	12/06/24 12:49	1	
1,4-Difluorobenzene (Surr)	102		70 - 130				12/06/24 08:28	12/06/24 12:49	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			12/06/24 12:49	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			12/06/24 11:46	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	<50.0	U	50.0		mg/Kg		12/05/24 16:25	12/06/24 11:46	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/24 16:25	12/06/24 11:46	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Norman B (07.31.2024)

Job ID: 880-51850-1
SDG: 2542

Client Sample ID: H-13 (0-1')
Date Collected: 12/05/24 00:00
Date Received: 12/05/24 16:51

Lab Sample ID: 880-51850-3
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/24 16:25	12/06/24 11:46	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	102		70 - 130				12/05/24 16:25	12/06/24 11:46	1	
o-Terphenyl	79		70 - 130				12/05/24 16:25	12/06/24 11:46	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	114		10.1		mg/Kg			12/07/24 04:28	1	

Surrogate Summary

Client: Carmona Resources
Project/Site: Norman B (07.31.2024)

Job ID: 880-51850-1
SDG: 2542

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)
880-51850-1	H-11 (0-1')	110	99
880-51850-1 MS	H-11 (0-1')	110	100
880-51850-1 MSD	H-11 (0-1')	106	102
880-51850-2	H-12 (0-1')	105	103
880-51850-3	H-13 (0-1')	106	102
LCS 880-97217/1-A	Lab Control Sample	108	103
LCSD 880-97217/2-A	Lab Control Sample Dup	108	101
MB 880-97217/5-A	Method Blank	99	96
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)
880-51849-A-1-F MS	Matrix Spike	97	85
880-51849-A-1-G MSD	Matrix Spike Duplicate	98	84
880-51849-A-5-D MS	Matrix Spike	106	100
880-51849-A-5-E MSD	Matrix Spike Duplicate	105	99
880-51850-1	H-11 (0-1')	106	97
880-51850-2	H-12 (0-1')	105	82
880-51850-3	H-13 (0-1')	102	79
LCS 880-97199/2-A	Lab Control Sample	114	102
LCS 880-97215/2-A	Lab Control Sample	98	98
LCSD 880-97199/3-A	Lab Control Sample Dup	106	97
LCSD 880-97215/3-A	Lab Control Sample Dup	107	110
MB 880-97199/1-A	Method Blank	96	77
MB 880-97215/1-A	Method Blank	104	98
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Norman B (07.31.2024)

Job ID: 880-51850-1
SDG: 2542

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-97217/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 97231							Prep Batch: 97217		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/24 08:28	12/06/24 11:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/24 08:28	12/06/24 11:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/24 08:28	12/06/24 11:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/06/24 08:28	12/06/24 11:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/24 08:28	12/06/24 11:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/06/24 08:28	12/06/24 11:46	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				12/06/24 08:28	12/06/24 11:46	1
1,4-Difluorobenzene (Surr)	96		70 - 130				12/06/24 08:28	12/06/24 11:46	1

Lab Sample ID: LCS 880-97217/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 97231							Prep Batch: 97217		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene		0.100	0.1031		mg/Kg		103	70 - 130	
Toluene		0.100	0.1039		mg/Kg		104	70 - 130	
Ethylbenzene		0.100	0.1121		mg/Kg		112	70 - 130	
m-Xylene & p-Xylene		0.200	0.2222		mg/Kg		111	70 - 130	
o-Xylene		0.100	0.1245		mg/Kg		125	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	108		70 - 130						
1,4-Difluorobenzene (Surr)	103		70 - 130						

Lab Sample ID: LCSD 880-97217/2-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 97231							Prep Batch: 97217			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.1035		mg/Kg		103	70 - 130	0	35
Toluene		0.100	0.1050		mg/Kg		105	70 - 130	1	35
Ethylbenzene		0.100	0.1133		mg/Kg		113	70 - 130	1	35
m-Xylene & p-Xylene		0.200	0.2262		mg/Kg		113	70 - 130	2	35
o-Xylene		0.100	0.1276		mg/Kg		128	70 - 130	2	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	108		70 - 130							
1,4-Difluorobenzene (Surr)	101		70 - 130							

Lab Sample ID: 880-51850-1 MS							Client Sample ID: H-11 (0-1')		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 97231							Prep Batch: 97217		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09916		mg/Kg		99	70 - 130
Toluene	<0.00200	U	0.100	0.1053		mg/Kg		105	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Norman B (07.31.2024)

Job ID: 880-51850-1
SDG: 2542

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

Lab Sample ID: 880-51850-1 MS
Matrix: Solid
Analysis Batch: 97231

Client Sample ID: H-11 (0-1')
Prep Type: Total/NA
Prep Batch: 97217

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1140		mg/Kg		114	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2252		mg/Kg		113	70 - 130
o-Xylene	<0.00200	U	0.100	0.1282		mg/Kg		128	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	110		70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: 880-51850-1 MSD
Matrix: Solid
Analysis Batch: 97231

Client Sample ID: H-11 (0-1')
Prep Type: Total/NA
Prep Batch: 97217

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1061		mg/Kg		106	70 - 130	7	35
Toluene	<0.00200	U	0.100	0.1053		mg/Kg		105	70 - 130	0	35
Ethylbenzene	<0.00200	U	0.100	0.1133		mg/Kg		113	70 - 130	1	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2231		mg/Kg		112	70 - 130	1	35
o-Xylene	<0.00200	U	0.100	0.1264		mg/Kg		126	70 - 130	1	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	106		70 - 130								
1,4-Difluorobenzene (Surr)	102		70 - 130								

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

Lab Sample ID: MB 880-97199/1-A
Matrix: Solid
Analysis Batch: 97226

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 97199

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		12/05/24 16:25	12/06/24 04:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/24 16:25	12/06/24 04:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/24 16:25	12/06/24 04:08	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	96		70 - 130						
o-Terphenyl	77		70 - 130						

Lab Sample ID: LCS 880-97199/2-A
Matrix: Solid
Analysis Batch: 97226

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 97199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1139		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1012		mg/Kg		101	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Norman B (07.31.2024)

Job ID: 880-51850-1
SDG: 2542

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

Lab Sample ID: LCS 880-97199/2-A
Matrix: Solid
Analysis Batch: 97226

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 97199

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: LCSD 880-97199/3-A
Matrix: Solid
Analysis Batch: 97226

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 97199

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1120		mg/Kg		112	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	955.0		mg/Kg		95	70 - 130	6	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: 880-51849-A-1-F MS
Matrix: Solid
Analysis Batch: 97226

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 97199

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	996	864.9		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1340	F1	996	797.7	F1	mg/Kg		-54	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: 880-51849-A-1-G MSD
Matrix: Solid
Analysis Batch: 97226

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 97199

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	878.3		mg/Kg		88	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1340	F1	996	811.7	F1	mg/Kg		-53	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	84		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Norman B (07.31.2024)

Job ID: 880-51850-1
SDG: 2542

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

Lab Sample ID: MB 880-97215/1-A							Client Sample ID: Method Blank			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 97228							Prep Batch: 97215			
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		12/06/24 08:20	12/06/24 04:08	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/06/24 08:20	12/06/24 04:08	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/06/24 08:20	12/06/24 04:08	1	
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	104		70 - 130				12/06/24 08:20	12/06/24 04:08	1	
o-Terphenyl	98		70 - 130				12/06/24 08:20	12/06/24 04:08	1	

Lab Sample ID: LCS 880-97215/2-A							Client Sample ID: Lab Control Sample			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 97228							Prep Batch: 97215			
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10		1000	927.5		mg/Kg		93	70 - 130		
Diesel Range Organics (Over C10-C28)		1000	900.8		mg/Kg		90	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits							
1-Chlorooctane	98		70 - 130							
o-Terphenyl	98		70 - 130							

Lab Sample ID: LCSD 880-97215/3-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 97228							Prep Batch: 97215			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10		1000	1095		mg/Kg		109	70 - 130	17	20
Diesel Range Organics (Over C10-C28)		1000	1004		mg/Kg		100	70 - 130	11	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
1-Chlorooctane	107		70 - 130							
o-Terphenyl	110		70 - 130							

Lab Sample ID: 880-51849-A-5-D MS							Client Sample ID: Matrix Spike			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 97228							Prep Batch: 97215			
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	899.8		mg/Kg		90	70 - 130	
Diesel Range Organics (Over C10-C28)	928	F1 F2	999	1567	F1	mg/Kg		64	70 - 130	

QC Sample Results

Client: Carmona Resources
Project/Site: Norman B (07.31.2024)

Job ID: 880-51850-1
SDG: 2542

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

Lab Sample ID: 880-51849-A-5-D MS
Matrix: Solid
Analysis Batch: 97228

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 97215

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: 880-51849-A-5-E MSD
Matrix: Solid
Analysis Batch: 97228

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 97215

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	<50.0	U	999	891.5		mg/Kg		89	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	928	F1 F2	999	852.2	F1 F2	mg/Kg		-8	70 - 130	59	20

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-97330/1-A
Matrix: Solid
Analysis Batch: 97331

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/07/24 03:51	1

Lab Sample ID: LCS 880-97330/2-A
Matrix: Solid
Analysis Batch: 97331

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.7		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-97330/3-A
Matrix: Solid
Analysis Batch: 97331

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	241.5		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-51850-1 MS
Matrix: Solid
Analysis Batch: 97331

Client Sample ID: H-11 (0-1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	65.6		249	329.0		mg/Kg		106	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Norman B (07.31.2024)

Job ID: 880-51850-1
SDG: 2542

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-51850-1 MSD					Client Sample ID: H-11 (0-1')							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 97331												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	65.6		249	328.9		mg/Kg		106	90 - 110	0	20	

QC Association Summary

Client: Carmona Resources
Project/Site: Norman B (07.31.2024)

Job ID: 880-51850-1
SDG: 2542

GC VOA

Prep Batch: 97217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51850-1	H-11 (0-1')	Total/NA	Solid	5035	
880-51850-2	H-12 (0-1')	Total/NA	Solid	5035	
880-51850-3	H-13 (0-1')	Total/NA	Solid	5035	
MB 880-97217/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-97217/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-97217/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-51850-1 MS	H-11 (0-1')	Total/NA	Solid	5035	
880-51850-1 MSD	H-11 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 97231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51850-1	H-11 (0-1')	Total/NA	Solid	8021B	97217
880-51850-2	H-12 (0-1')	Total/NA	Solid	8021B	97217
880-51850-3	H-13 (0-1')	Total/NA	Solid	8021B	97217
MB 880-97217/5-A	Method Blank	Total/NA	Solid	8021B	97217
LCS 880-97217/1-A	Lab Control Sample	Total/NA	Solid	8021B	97217
LCSD 880-97217/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	97217
880-51850-1 MS	H-11 (0-1')	Total/NA	Solid	8021B	97217
880-51850-1 MSD	H-11 (0-1')	Total/NA	Solid	8021B	97217

Analysis Batch: 97430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51850-1	H-11 (0-1')	Total/NA	Solid	Total BTEX	
880-51850-2	H-12 (0-1')	Total/NA	Solid	Total BTEX	
880-51850-3	H-13 (0-1')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 97199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51850-2	H-12 (0-1')	Total/NA	Solid	8015NM Prep	
880-51850-3	H-13 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-97199/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-97199/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-97199/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-51849-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-51849-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 97215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51850-1	H-11 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-97215/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-97215/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-97215/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-51849-A-5-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-51849-A-5-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 97226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51850-2	H-12 (0-1')	Total/NA	Solid	8015B NM	97199
880-51850-3	H-13 (0-1')	Total/NA	Solid	8015B NM	97199

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Project/Site: Norman B (07.31.2024)

Job ID: 880-51850-1

SDG: 2542

GC Semi VOA (Continued)

Analysis Batch: 97226 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-97199/1-A	Method Blank	Total/NA	Solid	8015B NM	97199
LCS 880-97199/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	97199
LCSD 880-97199/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	97199
880-51849-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	97199
880-51849-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	97199

Analysis Batch: 97228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51850-1	H-11 (0-1')	Total/NA	Solid	8015B NM	97215
MB 880-97215/1-A	Method Blank	Total/NA	Solid	8015B NM	97215
LCS 880-97215/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	97215
LCSD 880-97215/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	97215
880-51849-A-5-D MS	Matrix Spike	Total/NA	Solid	8015B NM	97215
880-51849-A-5-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	97215

Analysis Batch: 97297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51850-1	H-11 (0-1')	Total/NA	Solid	8015 NM	
880-51850-2	H-12 (0-1')	Total/NA	Solid	8015 NM	
880-51850-3	H-13 (0-1')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 97330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51850-1	H-11 (0-1')	Soluble	Solid	DI Leach	
880-51850-2	H-12 (0-1')	Soluble	Solid	DI Leach	
880-51850-3	H-13 (0-1')	Soluble	Solid	DI Leach	
MB 880-97330/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-97330/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-97330/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-51850-1 MS	H-11 (0-1')	Soluble	Solid	DI Leach	
880-51850-1 MSD	H-11 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 97331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51850-1	H-11 (0-1')	Soluble	Solid	300.0	97330
880-51850-2	H-12 (0-1')	Soluble	Solid	300.0	97330
880-51850-3	H-13 (0-1')	Soluble	Solid	300.0	97330
MB 880-97330/1-A	Method Blank	Soluble	Solid	300.0	97330
LCS 880-97330/2-A	Lab Control Sample	Soluble	Solid	300.0	97330
LCSD 880-97330/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	97330
880-51850-1 MS	H-11 (0-1')	Soluble	Solid	300.0	97330
880-51850-1 MSD	H-11 (0-1')	Soluble	Solid	300.0	97330

Lab Chronicle

Client: Carmona Resources
Project/Site: Norman B (07.31.2024)

Job ID: 880-51850-1
SDG: 2542

Client Sample ID: H-11 (0-1')
Date Collected: 12/05/24 00:00
Date Received: 12/05/24 16:51

Lab Sample ID: 880-51850-1
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			5.01 g	5 mL	97217	12/06/24 08:28	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	97231	12/06/24 12:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			97430	12/06/24 12:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			97297	12/06/24 11:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	97215	12/06/24 08:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	97228	12/06/24 11:46	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	97330	12/06/24 16:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	97331	12/07/24 04:06	CH	EET MID

Client Sample ID: H-12 (0-1')
Date Collected: 12/05/24 00:00
Date Received: 12/05/24 16:51

Lab Sample ID: 880-51850-2
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			4.95 g	5 mL	97217	12/06/24 08:28	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	97231	12/06/24 12:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			97430	12/06/24 12:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			97297	12/06/24 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	97199	12/05/24 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	97226	12/06/24 11:31	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	97330	12/06/24 16:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	97331	12/07/24 04:22	CH	EET MID

Client Sample ID: H-13 (0-1')
Date Collected: 12/05/24 00:00
Date Received: 12/05/24 16:51

Lab Sample ID: 880-51850-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	97217	12/06/24 08:28	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	97231	12/06/24 12:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			97430	12/06/24 12:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			97297	12/06/24 11:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	97199	12/05/24 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	97226	12/06/24 11:46	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	97330	12/06/24 16:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	97331	12/07/24 04:28	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: Norman B (07.31.2024)

Job ID: 880-51850-1
SDG: 2542

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: Norman B (07.31.2024)

Job ID: 880-51850-1
SDG: 2542

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: Norman B (07.31.2024)

Job ID: 880-51850-1
SDG: 2542

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-51850-1	H-11 (0-1')	Solid	12/05/24 00:00	12/05/24 16:51
880-51850-2	H-12 (0-1')	Solid	12/05/24 00:00	12/05/24 16:51
880-51850-3	H-13 (0-1')	Solid	12/05/24 00:00	12/05/24 16:51

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

Chain of Custody



Work

880-51850 Chain of Custody

Page 1 of 1

Work Order Comments

Program: ☐ USY/PST ☐ PRP ☐ Rowfields ☐ RC ☒ perfund

State of Project: ☐ Level III ☐ IST/UST ☐ RRP ☐ Level IV

Reporting: ☐ Level II ☐ Level III

Deliverables: ☐ EDD ☐ ADAPT ☐ Other:

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

[illegible]

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		12/5/2015			

Revised Date 05/01/2020 Rev 2020 1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-51850-1

SDG Number: 2542

Login Number: 51850

List Number: 1

Creator: Lee, Randell

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	

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 410425

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 410425
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2421427061
Incident Name	NAPP2421427061 NORMAN B @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	NORMAN B
Date Release Discovered	07/31/2024
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: Equipment Failure Other (Specify) Produced Water Released: 185 BBL Recovered: 185 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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)	Seal, failure on pump

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QUESTIONS, Page 2

Action 410425

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 410425
	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: Cassie Whitefield Email: cassie.whitefield@deleklogistics.com Date: 12/10/2024
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QUESTIONS, Page 3

Action 410425

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 410425
	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)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
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	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	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	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	8620
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	572
GRO+DRO (EPA SW-846 Method 8015M)	572
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	07/31/2024
On what date will (or did) the final sampling or liner inspection occur	08/07/2024
On what date will (or was) the remediation complete(d)	08/07/2024
What is the estimated surface area (in square feet) that will be reclaimed	24600
What is the estimated volume (in cubic yards) that will be reclaimed	3645
What is the estimated surface area (in square feet) that will be remediated	24600
What is the estimated volume (in cubic yards) that will be remediated	3645

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 410425

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 410425
	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:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	Site will be remediated/reclaimed during P/A activities. Site has been fully delineated and due to deep groundwater (>100') and no immediate risk to human health, the environment, or ground water. See closure report.
<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: Cassie Whitefield Email: cassie.whitefield@deleklogistics.com Date: 12/10/2024
<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 410425

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 410425
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 410425

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 410425
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	409186
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/05/2024
What was the (estimated) number of samples that were to be gathered	3
What was the sampling surface area in square feet	300

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
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)	Site will be remediated/reclaimed during P/A activities. Site has been fully delineated and due to deep groundwater (>100') and no immediate risk to human health, the environment, or ground water. Included additional horizontal delineation to the north per NMOCD request. See closure report.

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

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

I hereby agree and sign off to the above statement	Name: Cassie Whitefield Email: cassie.whitefield@deleklogistics.com Date: 12/10/2024
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QUESTIONS, Page 7

Action 410425

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 410425
	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 410425

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 410425
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation closure approved.	12/17/2024