CARMONA RESOURCES

SITE INFORMATION

Closure Report
Matador Gavalin (03.13.2026)
Incident ID: nAPP2607250189
Lea County, New Mexico
Unit A, Sec 33, T20S, R33E
32.524222°, -103.672306°

Produced Water Release
Point of Release: Split on Poly Transmission Line
Release Date: 03.13.2026
Volume Released: 500 Barrels of Produced Water
Volume Recovered: 200 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

310 West Wall Street, Suite 500
Midland TX, 79701
432.813.1992

CARMONA RESOURCES

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 REMEDIATION ACTIVITIES

6.0 REVEGETATION ACTIVITIES

7.0 CONCLUSIONS

FIGURES

FIGURE 1	OVERVIEW	FIGURE 2	TOPOGRAPHIC
FIGURE 3	SPILL OVERVIEW	FIGURE 4A-4F	EXCAVATION
FIGURE 5	REVEGETATION AREA		

APPENDICES

APPENDIX A	TABLES
APPENDIX B	PHOTOS
APPENDIX C	NMOCD CORRESPONDENCE
APPENDIX D	SITE CHARACTERIZATION, GROUNDWATER, & KARST
APPENDIX E	LABORATORY REPORTS

310 West Wall Street, Suite 500
Midland TX, 79701
432.813.1992

CARMONA RESOURCES

June 17, 2026

New Mexico Oil Conservation District
1220 South St, France Drive
Santa Fe, NM 87505

Re: Closure Report
Matador Gavalin (03.13.2026)
Delek Logistics Company
Incident # nAPP2607250189
Site Location: Unit A, Sec 33, T20S, R33E
(Lat 32.524222°, Long -103.672306°)
Lea County, New Mexico

To whom it may concern:

On behalf of Delek Logistics Company (Delek), Carmona Resources, LLC has prepared this letter to document remediation activities at the Matador Gavalin release. The site is located at 32.524222°, - 103.672306° within Unit A, Sec 33, T20S, R33E in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notification of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on March 13, 2026, due to a split in a poly transmission line. It resulted in the release of five hundred (500) barrels of produced water, with two hundred (200) barrels of produced water recovered. The spill boundaries are shown in Figure 3. The Notification of Release 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, there are no known water sources within a 0.50-mile radius of the location. The nearest Groundwater Determination Bore (GWDB) is located approximately 1.56 miles Northwest of the site in S31, T20S, R33E (32.534958° -103.695753°) and was drilled in 2025. The bore was drilled to a depth of 105 feet below the ground surface (ft bgs). No evidence of groundwater was detected after 72 hours. A copy of the associated well log is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

Initial Assessment

On March 17, 2026, and March 19, 2026, Carmona Resources was onsite to evaluate the vertical and horizontal soil impact stemming from the release. A total of eight (8) trench samples (T-1 through T-8) and seventeen (17) horizontal samples (H-1 through H-17) were advanced to depths ranging from surface to 5.0 ft bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figures 3A through 3B for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to

310 West Wall, Suite 500
Midland, TX 79701
432.713.1992

Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA method 8021B, and Chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Vertical Delineation

Vertical delineation was achieved in all areas for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 1.

Horizontal Delineation

The areas of H-1 through H-3 and H-5 through H-17 were below the regulatory limits for Benzene, total BTEX, TPH, and Chloride concentrations. The area of H-4 showed elevated chloride concentrations and was further addressed during remediation activities and recollected, as represented by sample H-4A. Refer to Table 1.

5.0 Remediation Activities

Beginning on April 16, 2026, Carmona Resources personnel were onsite to supervise remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on May 04, 2026, May 13, 2026, May 24, 2026, May 28, 2026, and June 03, 2026, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The spill area was excavated to depths ranging from 0.5 to 4 ft bgs. A total of one hundred fifty-eight (158) confirmation floor samples (CS-1 through CS-158) and fifty-seven (57) sidewall samples (SW-1 through SW-57) were collected every 200 square feet to ensure the proper removal of the contaminated soils. For chemical analysis, the soil samples were collected and placed into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E.

- The area of T-1 measured approximately 105 ft by 55 ft, was excavated to a depth of 0.75 ft bgs, and is represented by CS-45 through CS-74.
- The area of T-2 measured approximately 105 ft by 46 ft, was excavated to a depth of 4.0 ft bgs, and is represented by CS-115 through CS-140.
- The area of T-3 measured approximately 40 ft by 27 ft, 58 ft by 8 ft, 62 ft by 24 ft, and was excavated to a depth of 2.0 ft bgs and is represented by CS-98 through CS-114.
- The area of T-4 measured approximately 55 ft by 55 ft, was excavated to a depth of 0.5 ft bgs, and is represented by CS-28 through CS-33 and CS-75 through CS-85.
- The area of T-5 measured approximately 108 ft by 60 ft, was excavated to a depth of 2.0 ft bgs, and is represented by CS-17 through CS-27, CS-34 through CS-44 and CS-86 through CS-97.
- The area of T-6 measured approximately 144 ft by 15 ft and was excavated to a depth of 4.0 ft bgs and is represented by CS-11 through CS-16 and CS-141 through CS-148.
- The area of T-7 measured approximately 73 ft by 38 ft, was excavated to a depth of 3.0 ft bgs, and is represented by CS-7 through CS-10 and CS-149 through CS-158.
- The area of T-8 measured approximately 44 ft by 23 ft, was excavated to a depth of 2.0 ft bgs, and is represented by CS-1 through CS-6.

All final confirmation samples were below the regulatory requirements for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 2. The excavation depth and confirmation sample locations are shown in Figures 4A through 4F.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. A composite sample of the topsoil backfill material was collected on May 13, 2026, and a composite sample of the caliche backfill material was collected on June 2, 2026, before being utilized. Both

310 West Wall, Suite 500
Midland, TX 79701
432.713.1992

CARMONA RESOURCES

backfill material samples were submitted for laboratory analysis and were sourced from the Smith Ranch Pit, located at 32.5377343°, -103.7108500°. Refer to Table 2. Approximately 29,088 square feet of contamination was remediated, resulting in approximately 2,806 cubic yards of material being excavated and transported off-site for proper disposal.

6.0 Revegetation Activities

Delek contractors seeded the backfilled areas in the pasture via hand broadcast with the appropriate pounds of pure live seed per acre. The seed mixture used was BLM #2 LPC Sandy Mixture. The reseeded area measured approximately 20,394 square feet. See Figure 5 for the revegetation area.

7.0 Conclusions

Based on the analytical data from the remediation, no further actions are required at the site. Delek formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-8988.

Sincerely,
Carmona Resources, LLC

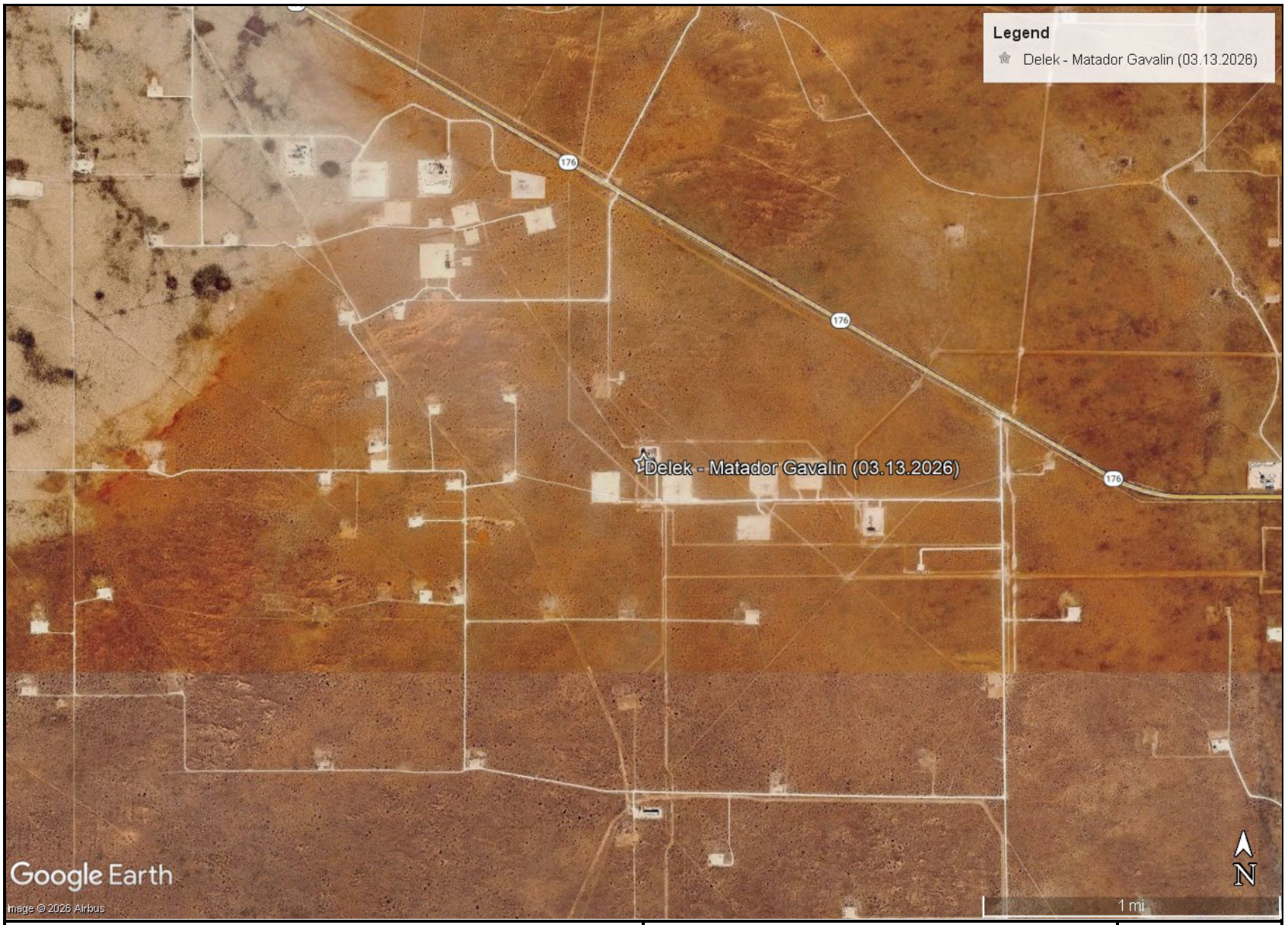
Ashton Thielke
Director of Operations

Gilbert Priego
Project Manager

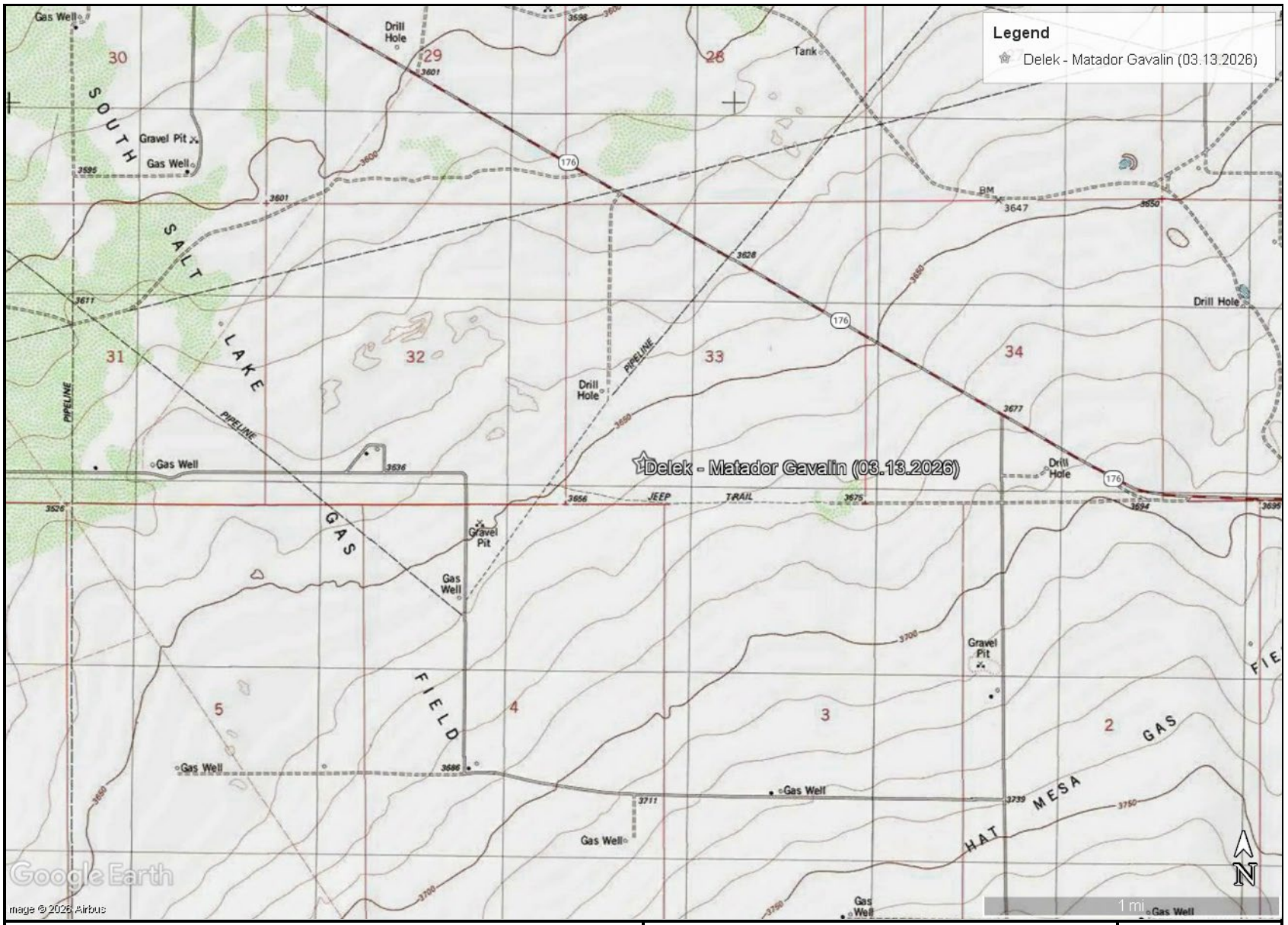
310 West Wall, Suite 500
Midland, TX 79701
432.713.1992

FIGURES

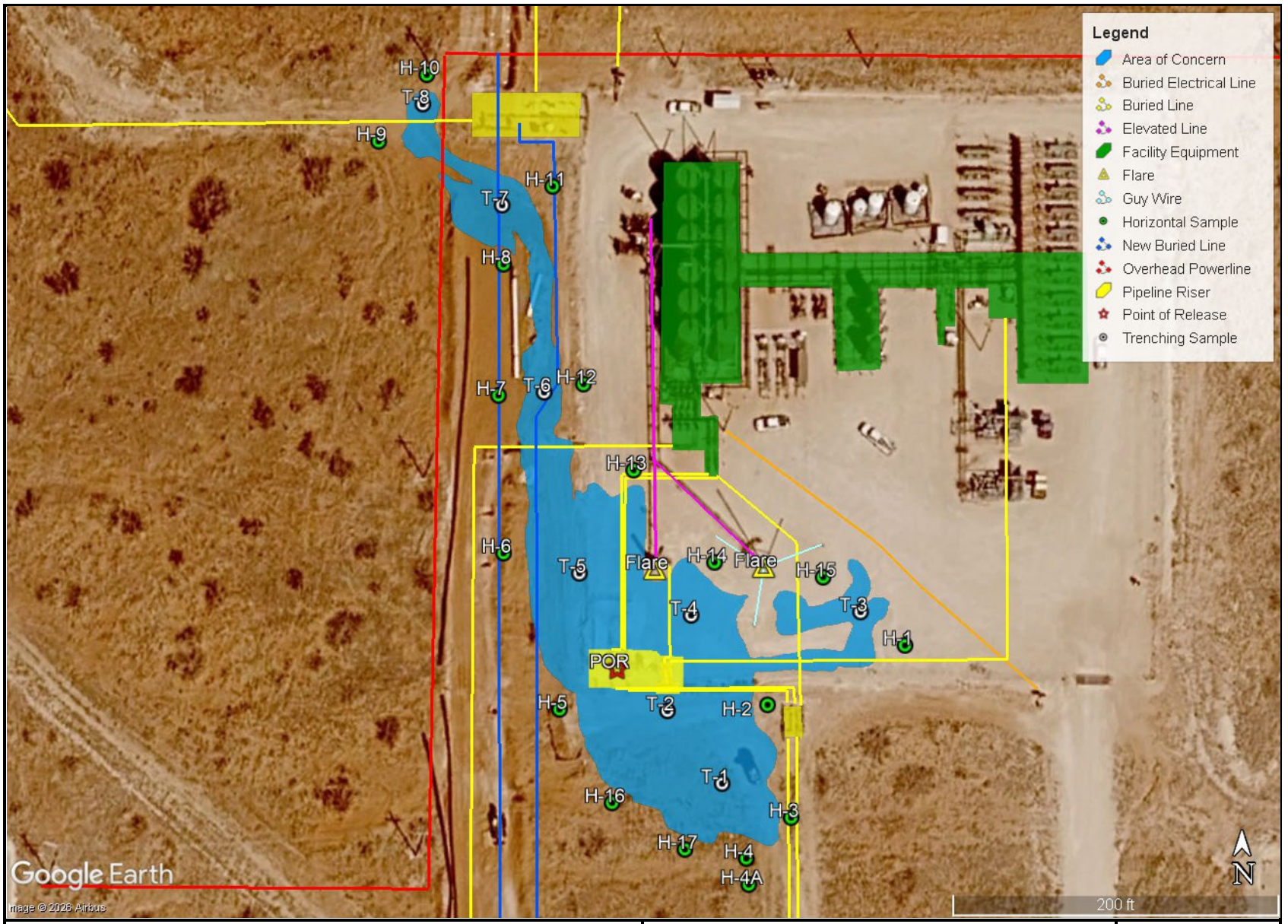
CARMONA RESOURCES



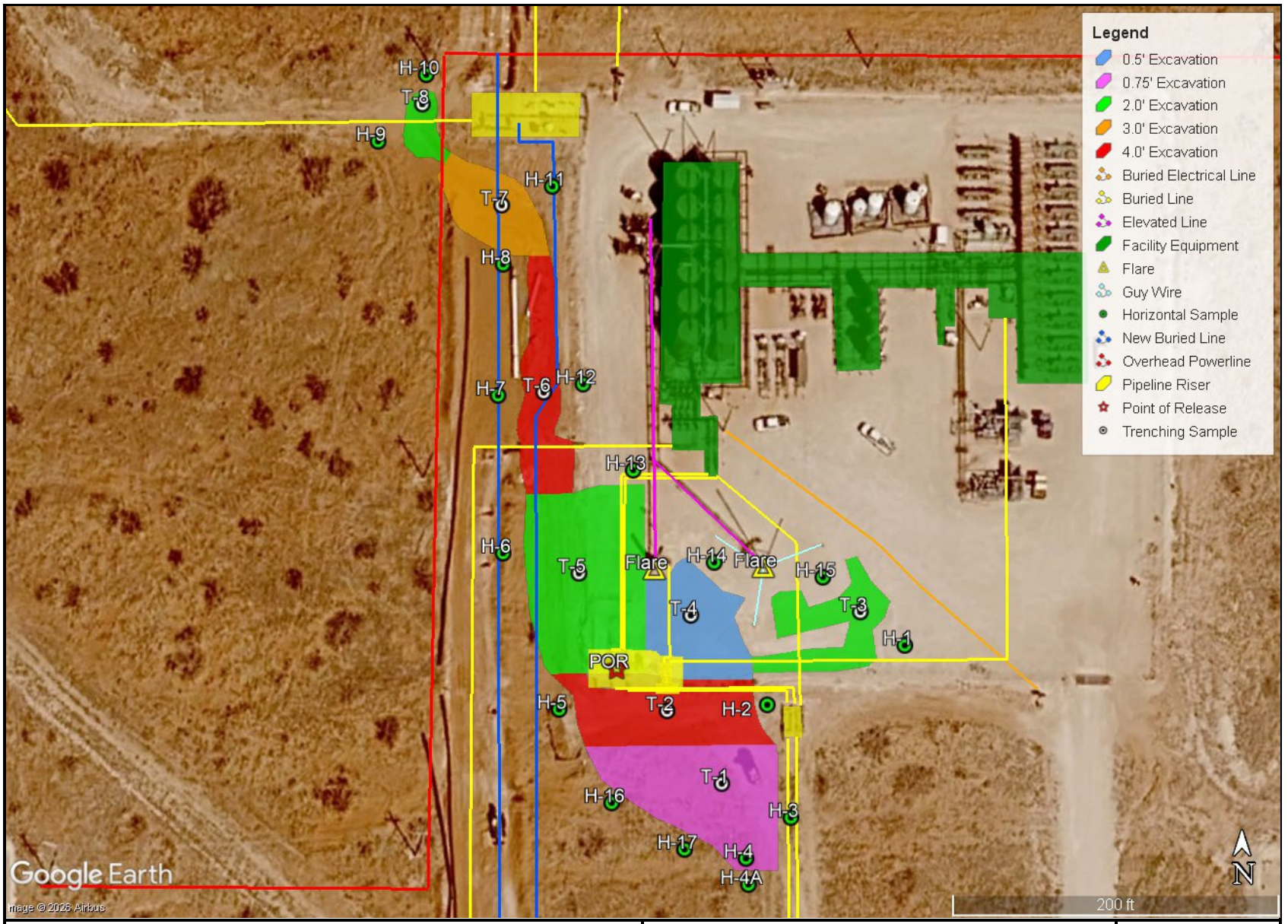
OVERVIEW MAP DELEK LOGISTICS COMPANY MATADOR GAVALIN (03.13.2026) LEA COUNTY, NEW MEXICO 32.524222°, -103.672306°	CARMONA RESOURCES	FIGURE 1



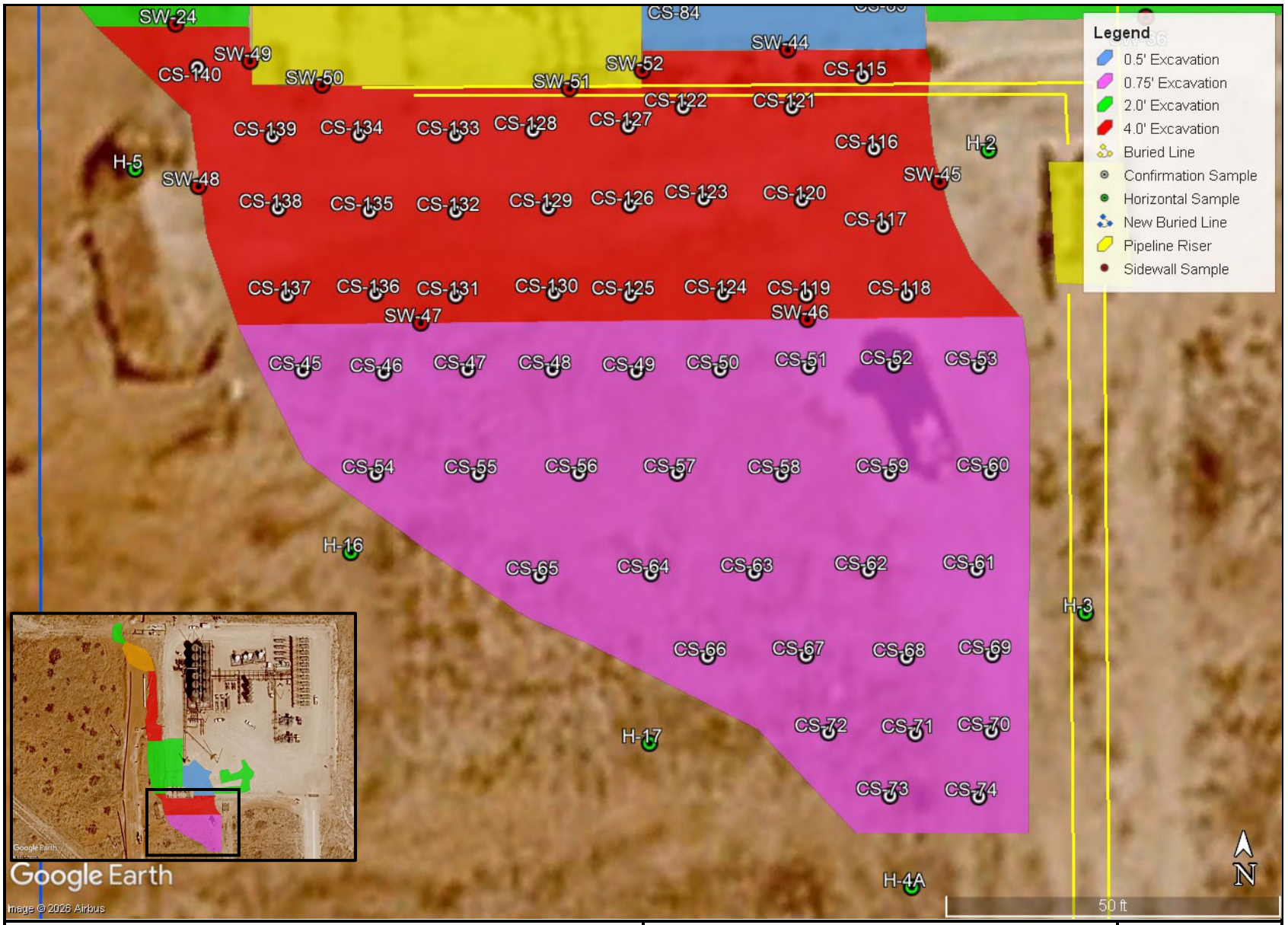
TOPOGRAPHIC MAP DELEK LOGISTICS COMPANY MATADOR GAVALIN (03.13.2026) LEA COUNTY, NEW MEXICO 32.524222°, -103.672306°	CARMONA RESOURCES	FIGURE 2



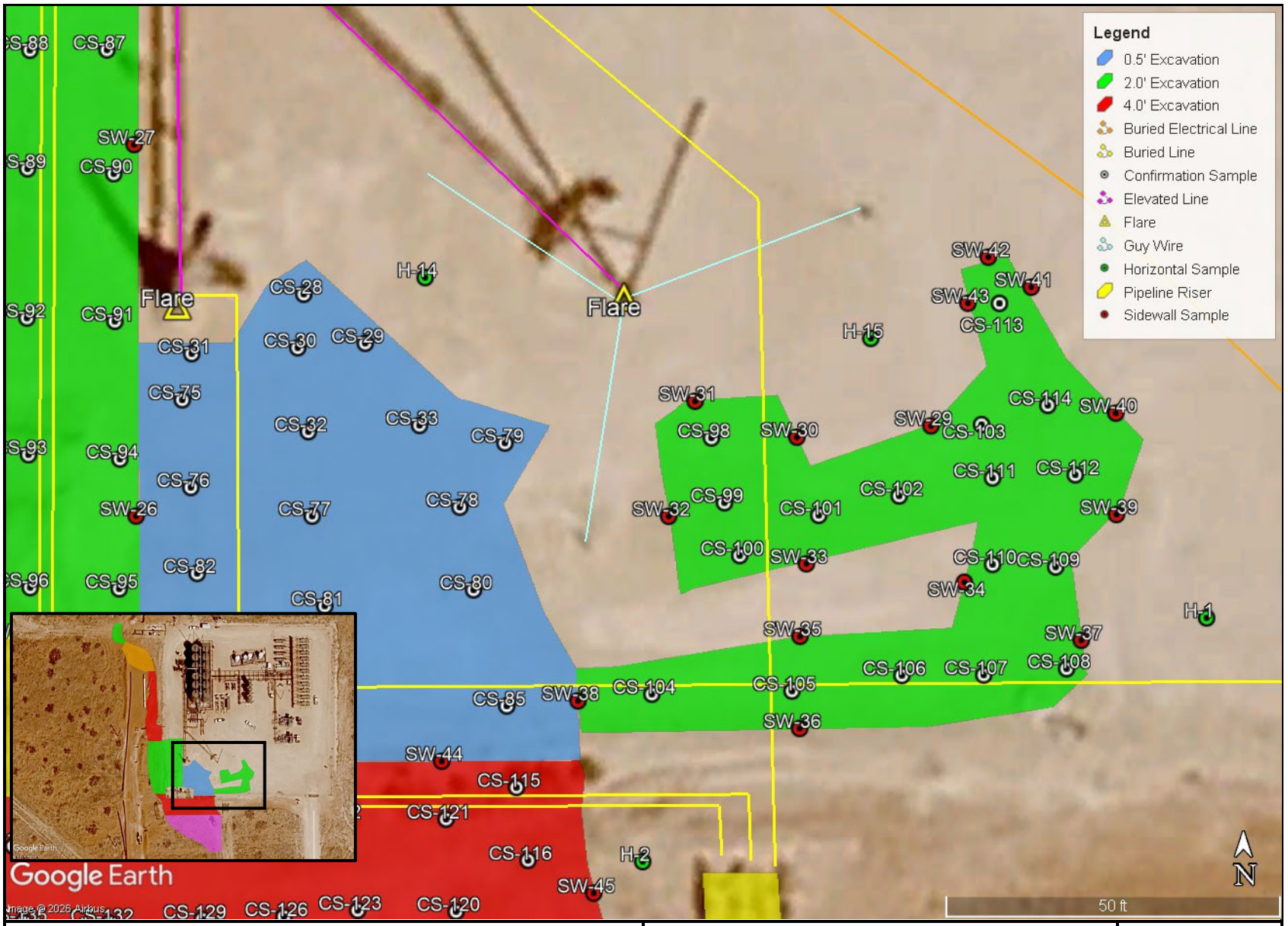
SAMPLE LOCATION MAP DELEK LOGISTICS COMPANY MATADOR GAVALIN (03.13.2026) LEA COUNTY, NEW MEXICO 32.524222°, -103.672306°	CARMONA RESOURCES	FIGURE 3



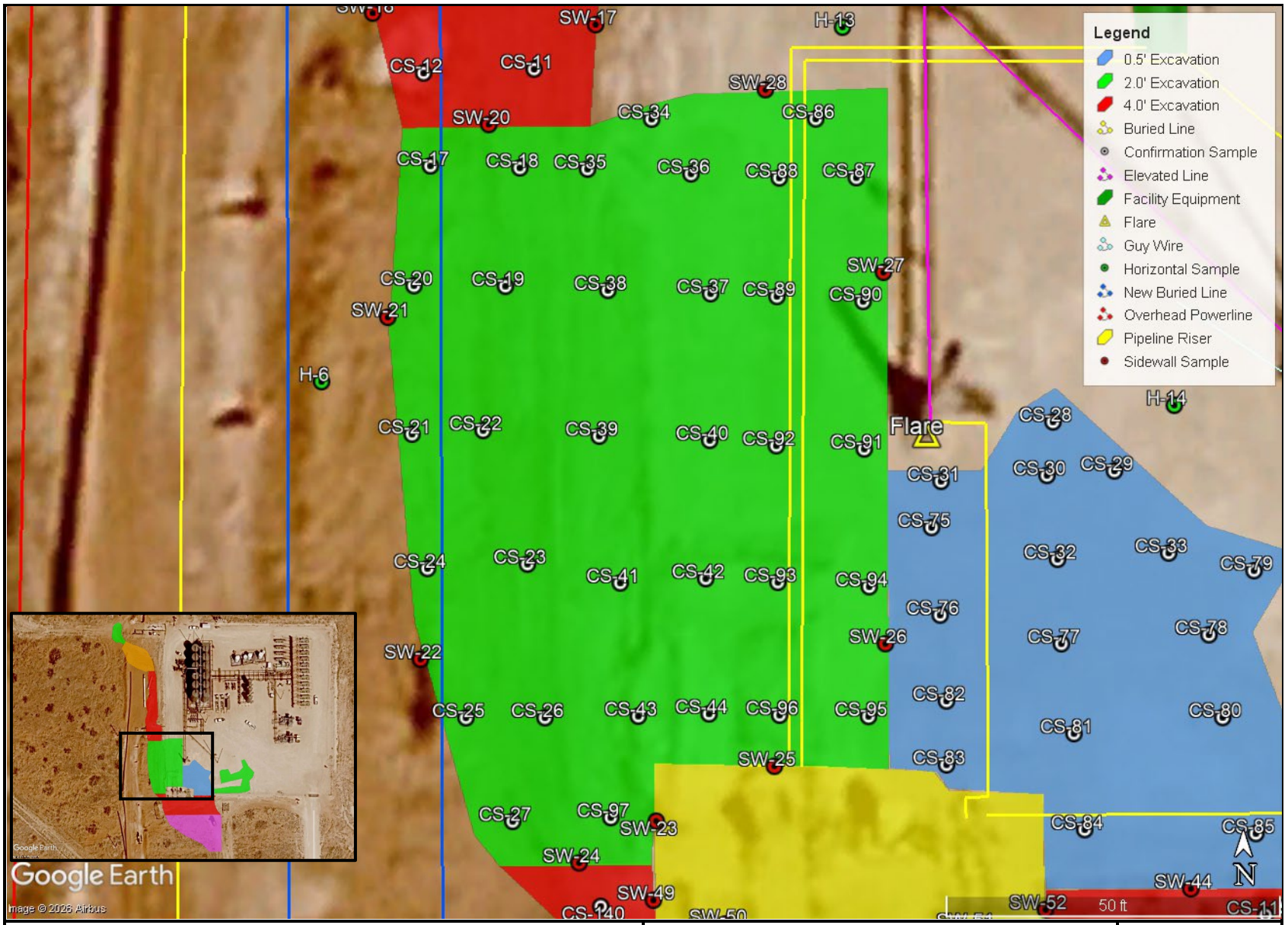
PROPOSED EXCAVATION DEPTH MAP DELEK LOGISTICS COMPANY MATADOR GAVALIN (03.13.2026) LEA COUNTY, NEW MEXICO 32.524222°, -103.672306°	CARMONA RESOURCES	FIGURE 4A



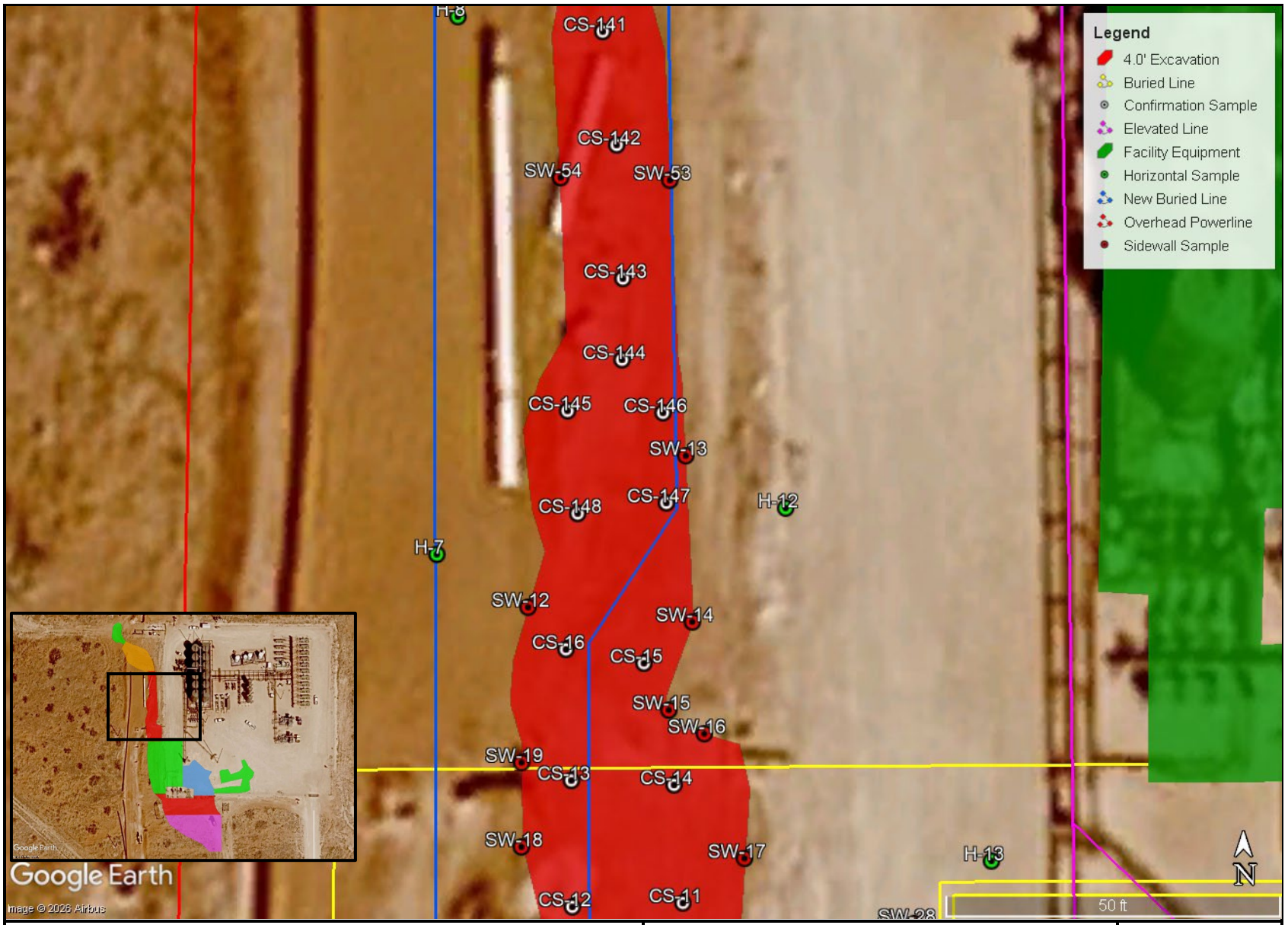
PROPOSED EXCAVATION DEPTH MAP DELEK LOGISTICS COMPANY MATADOR GAVALIN (03.13.2026) LEA COUNTY, NEW MEXICO 32.524222°, -103.672306°	CARMONA RESOURCES	FIGURE 4B



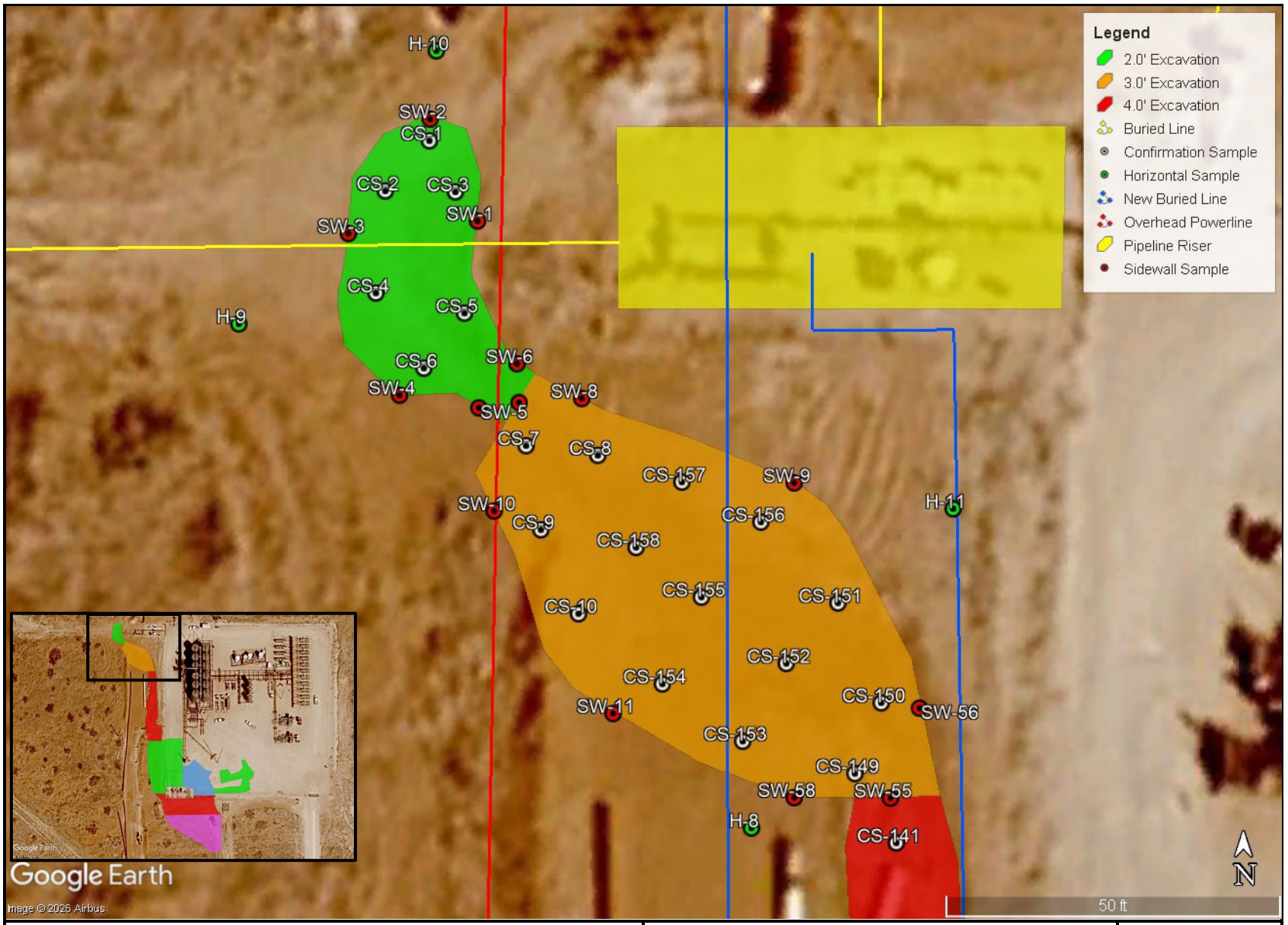
PROPOSED EXCAVATION DEPTH MAP DELEK LOGISTICS COMPANY MATADOR GAVALIN (03.13.2026) LEA COUNTY, NEW MEXICO 32.524222°, -103.672306°	CARMONA RESOURCES	FIGURE 4C



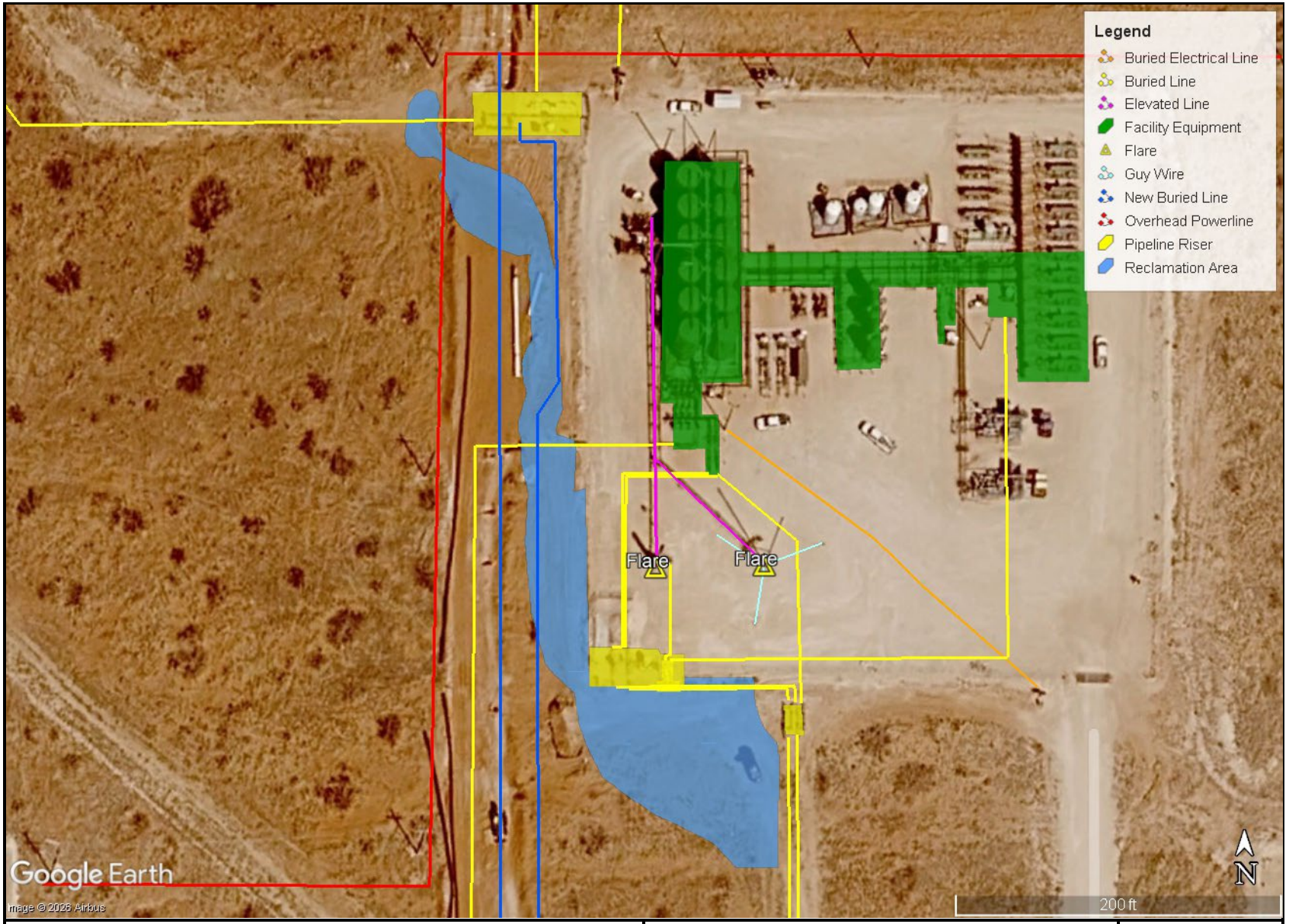
PROPOSED EXCAVATION DEPTH MAP DELEK LOGISTICS COMPANY MATADOR GAVALIN (03.13.2026) LEA COUNTY, NEW MEXICO 32.524222°, -103.672306°	CARMONA RESOURCES	FIGURE 4D



PROPOSED EXCAVATION DEPTH MAP DELEK LOGISTICS COMPANY MATADOR GAVALIN (03.13.2026) LEA COUNTY, NEW MEXICO 32.524222°, -103.672306°	CARMONA RESOURCES	FIGURE 4E



PROPOSED EXCAVATION DEPTH MAP DELEK LOGISTICS COMPANY MATADOR GAVALIN (03.13.2026) LEA COUNTY, NEW MEXICO 32.524222°, -103.672306°	CARMONA RESOURCES	FIGURE 4F



REVEGETATION AREA MAP DELEK LOGISTICS COMPANY MATADOR GAVALIN (03.13.2026) LEA COUNTY, NEW MEXICO 32.524222°, -103.672306°	CARMONA RESOURCES	FIGURE 5

APPENDIX A

CARMONA RESOURCES

Table 1
Delek Logistics
Matador Gavalin (03.13.2026)
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						
T-1	3/19/2026	0-1.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.0
	"	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.0
	"	3.0'	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	14.9
T-2	3/19/2026	0-1.0'	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**702**
	"	2.0'	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	488
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**1,220**
	"	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	176
	"	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	255
T-3	3/19/2026	0-1.0'	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**740**
	"	2.0'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	14.4
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<9.94
	"	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.98
	"	5.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	17.3
T-4	3/19/2026	0-1.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	408
	"	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	34.9
	"	3.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	23.6
	"	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	15.4
	"	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	13.0
T-5	3/19/2026	0-1.0'	<49.8	<49.8	<49.8	<49.8	0.0209	0.0391	0.0144	0.0514	0.126	**14,600**
	"	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	95.2
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	35.6
T-6	3/19/2026	0-1.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	0.00452	0.00937	0.0269	0.0408	**4,690**
	"	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	**5,500**
	"	3.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**624**
	"	4.0'	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	62.2
T-7	3/19/2026	0-1.0'	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**4,470**
	"	2.0'	<50.5	<50.5	<50.5	<50.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**4,770**
	"	3.0'	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	89.8
	"	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	352
	"	5.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	142
T-8	3/19/2026	0-1.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**10,000**
	"	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	20.3
	"	3.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	250
	"	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	13.9
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(T) Trench Sample
Removed

Table 1
Delek Logistics
Matador Gavalin (03.13.2026)
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						
H-1	3/17/2026	0-0.5'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	545
H-2	3/17/2026	0-0.5'	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	94.5
H-3	3/17/2026	0-0.5'	<50.2	<50.2	<50.2	<50.2	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<10.1
H-4	3/17/2026	0-0.5'	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**1,500**
H-4A	6/8/2026	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<9.92
H-5	3/17/2026	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	87.9
H-6	3/17/2026	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.0
H-7	3/17/2026	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	570
H-8	3/17/2026	0-0.5'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	163
H-9	3/17/2026	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.1
H-10	3/17/2026	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	517
H-11	3/17/2026	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	154
H-12	3/17/2026	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.0
H-13	3/17/2026	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	485
H-14	3/17/2026	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	43.6
H-15	3/17/2026	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<10.1
H-16	6/8/2026	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.92
H-17	6/8/2026	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<9.98
Regulatory Criteria [A]						**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(H) Horizontal Sample
Removed

Table 2
Delek Logistics
Matador Gavalin (03.13.2026)
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						
CS-1	5/13/2026	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	465
CS-2	5/13/2026	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.98
CS-3	5/13/2026	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<9.94
CS-4	5/13/2026	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	21.5
CS-5	5/13/2026	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	220
CS-6	5/13/2026	2.0'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	142
CS-7	5/13/2026	3.0'	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	13.1
CS-8	5/13/2026	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	44.2
CS-9	5/13/2026	3.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<10.1
CS-10	5/13/2026	3.0'	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.1
CS-11	5/13/2026	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	22.1
CS-12	5/13/2026	4.0'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	11.1
CS-13	5/13/2026	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	56.0
CS-14	5/13/2026	4.0'	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	13.7
CS-15	5/13/2026	4.0'	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	159
CS-16	5/13/2026	4.0'	<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	126
CS-17	5/14/2026	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	42.1
CS-18	5/14/2026	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	50.5
CS-19	5/14/2026	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	10.2
CS-20	5/14/2026	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<10.1
CS-21	5/14/2026	2.0'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<10.0
CS-22	5/14/2026	2.0'	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.7
CS-23	5/14/2026	2.0'	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	69.7
CS-24	5/14/2026	2.0'	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<9.96
CS-25	5/14/2026	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	86.6
CS-26	5/14/2026	2.0'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	12.0
CS-27	5/14/2026	2.0'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	162
CS-28	5/20/2026	0.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	17.6
CS-29	5/20/2026	0.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	0.00274	<0.00201	<0.00402	<0.00402	56.4
CS-30	5/20/2026	0.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	0.00405	<0.00202	<0.00404	0.00405	29.8
Regulatory Criteria [A]						**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(CS) Confirmation Sample

Table 2
Delek Logistics
Matador Gavalin (03.13.2026)
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						
CS-31	5/20/2026	0.5'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**821**
	5/27/2026	0.75'	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	21.7
CS-32	5/20/2026	0.5'	<50.2	<50.2	<50.2	<50.2	<0.00200	0.00236	<0.00200	<0.00399	<0.00399	42.1
CS-33	5/20/2026	0.5'	<50.1	<50.1	<50.1	<50.1	<0.00201	0.00211	<0.00201	<0.00402	<0.00402	30.0
CS-34	5/20/2026	2.0'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.0
CS-35	5/20/2026	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<9.98
CS-36	5/20/2026	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.0
CS-37	5/20/2026	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.1
CS-38	5/20/2026	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	12.2
CS-39	5/20/2026	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	116
CS-40	5/20/2026	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	16.0
CS-41	5/20/2026	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<9.98
CS-42	5/20/2026	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	17.7
CS-43	5/20/2026	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	112
CS-44	5/20/2026	2.0'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	19.1
CS-45	5/21/2026	0.75'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	22.7
CS-46	5/21/2026	0.75'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	30.9
CS-47	5/21/2026	0.75'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	180
CS-48	5/21/2026	0.75'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	179
CS-49	5/21/2026	0.75'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	173
CS-50	5/21/2026	0.75'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.96
CS-51	5/21/2026	0.75'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	332
CS-52	5/21/2026	0.75'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	234
CS-53	5/21/2026	0.75'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.94
CS-54	5/21/2026	0.75'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	63.2
CS-55	5/21/2026	0.75'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	26.3
CS-56	5/21/2026	0.75'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	24.4
CS-57	5/21/2026	0.75'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	26.8
CS-58	5/21/2026	0.75'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	40.8
CS-59	5/21/2026	0.75'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<9.92
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(CS) Confirmation Sample
Removed

Table 2
Delek Logistics
Matador Gavalin (03.13.2026)
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						
CS-60	5/21/2026	0.75'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<9.96
CS-61	5/21/2026	0.75'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	39.6
CS-62	5/21/2026	0.75'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	66.9
CS-63	5/21/2026	0.75'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<9.92
CS-64	5/21/2026	0.75'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<10.0
CS-65	5/21/2026	0.75'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	173
CS-66	5/21/2026	0.75'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	31.2
CS-67	5/21/2026	0.75'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	169
CS-68	5/21/2026	0.75'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	32.1
CS-69	5/21/2026	0.75'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.8
CS-70	5/21/2026	0.75'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	71.0
CS-71	5/21/2026	0.75'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	11.1
CS-72	5/21/2026	0.75'	<50.3	<50.3	<50.3	<50.3	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	39.4
CS-73	5/21/2026	0.75'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	18.6
CS-74	5/21/2026	0.75'	<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	18.9
CS-75	5/26/2026	0.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.98
CS-76	5/26/2026	0.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	10.6
CS-77	5/26/2026	0.5'	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	11.9
CS-78	5/26/2026	0.5'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	21.7
CS-79	5/26/2026	0.5'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	188
CS-80	5/26/2026	0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	179
CS-81	5/26/2026	0.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	14.9
CS-82	5/26/2026	0.5'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	11.3
CS-83	5/26/2026	0.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	13.9
CS-84	5/26/2026	0.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	14.4
CS-85	5/26/2026	0.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.98
CS-86	5/26/2026	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<9.92
CS-87	5/26/2026	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	177
CS-88	5/26/2026	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	13.2
CS-89	5/26/2026	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	13.0
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(CS) Confirmation Sample

Table 2
Delek Logistics
Matador Gavalin (03.13.2026)
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						
CS-90	5/26/2026	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	61.2
CS-91	5/26/2026	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	86.8
CS-92	5/26/2026	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.0
CS-93	5/26/2026	2.0'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	11.7
CS-94	5/26/2026	2.0'	<50.3	<50.3	<50.3	<50.3	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	14.0
CS-95	5/26/2026	2.0'	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	95.2
CS-96	5/26/2026	2.0'	<50.4	<50.4	<50.4	<50.4	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	126
CS-97	5/26/2026	2.0'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	15.5
CS-98	5/27/2026	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	145
CS-99	5/27/2026	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	19.1
CS-100	5/27/2026	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	40.3
CS-101	5/27/2026	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.92
CS-102	5/27/2026	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	34.7
CS-103	5/27/2026	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	201
CS-104	5/27/2026	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	32.0
CS-105	5/27/2026	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	35.0
CS-106	5/27/2026	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.90
CS-107	5/27/2026	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	66.1
CS-108	5/27/2026	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	57.4
CS-109	5/27/2026	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	72.8
CS-110	5/27/2026	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	66.3
CS-111	5/27/2026	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	80.9
CS-112	5/27/2026	2.0'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	59.1
CS-113	5/27/2026	2.0'	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	86.3
CS-114	5/27/2026	2.0'	<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<9.94
CS-115	5/28/2026	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	10.8
CS-116	5/28/2026	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	38.0
CS-117	5/28/2026	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	24.9
CS-118	5/28/2026	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	44.2
CS-119	5/28/2026	4.0'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	18.9
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(CS) Confirmation Sample

Table 2
Delek Logistics
Matador Gavalin (03.13.2026)
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						
CS-120	5/28/2026	4.0'	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	16.9
CS-121	5/28/2026	4.0'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<9.96
CS-122	5/28/2026	4.0'	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	17.5
CS-123	5/28/2026	4.0'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	13.1
CS-124	5/28/2026	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	50.1
CS-125	5/28/2026	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	110
CS-126	5/28/2026	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	15.3
CS-127	5/28/2026	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	124
CS-128	5/29/2026	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	108
CS-129	5/29/2026	4.0'	<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	39.4
CS-130	5/29/2026	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	12.0
CS-131	5/29/2026	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.0
CS-132	5/29/2026	4.0'	<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	27.2
CS-133	5/29/2026	4.0'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.98
CS-134	5/29/2026	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	15.4
CS-135	5/29/2026	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	19.9
CS-136	5/29/2026	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	19.4
CS-137	5/29/2026	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	35.7
CS-138	5/29/2026	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	40.3
CS-139	5/29/2026	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	14.6
CS-140	5/29/2026	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	132
CS-141	6/8/2026	4.0'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	17.0
CS-142	6/8/2026	4.0'	<50.2	<50.2	<50.2	<50.2	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<10.1
CS-143	6/8/2026	4.0'	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.90
CS-144	6/8/2026	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	23.1
CS-145	6/8/2026	4.0'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	75.6
CS-146	6/8/2026	4.0'	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	79.4
CS-147	6/8/2026	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	37.9
CS-148	6/8/2026	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	17.9
CS-149	6/8/2026	3.0'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	109
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(CS) Confirmation Sample

Table 2
Delek Logistics
Matador Gavalin (03.13.2026)
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						
CS-150	6/8/2026	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<10.0
CS-151	6/8/2026	3.0'	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	16.2
CS-152	6/8/2026	3.0'	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.98
CS-153	6/8/2026	3.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.0
CS-154	6/8/2026	3.0'	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	16.2
CS-155	6/8/2026	3.0'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	58.8
CS-156	6/8/2026	3.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	86.0
CS-157	6/8/2026	3.0'	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.94
CS-158	6/8/2026	3.0'	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.1
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(CS) Confirmation Sample

Table 2
Delek Logistics
Matador Gavalin (03.13.2026)
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						
SW-1	5/13/2026	2.0'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.94
SW-2	5/13/2026	2.0'	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.92
SW-3	5/13/2026	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.0
SW-4	5/13/2026	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<10.0
SW-5	5/13/2026	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<9.98
SW-6	5/13/2026	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.92
SW-7	5/13/2026	2.0' - 3.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.1
SW-8	5/13/2026	3.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	10.6
SW-9	5/13/2026	3.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.96
SW-10	5/13/2026	3.0	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<9.98
SW-11	5/13/2026	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<9.92
SW-12	5/14/2026	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	30.8
SW-13	5/14/2026	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.0
SW-14	5/14/2026	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.8
SW-15	5/14/2026	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.0
SW-16	5/14/2026	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	33.0
SW-17	5/14/2026	4.0'	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<9.96
SW-18	5/14/2026	4.0'	<50.2	<50.2	<50.2	<50.2	<0.00199	0.00250	0.00227	<0.00398	0.00477	27.3
SW-19	5/14/2026	4.0'	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	32.7
SW-20	5/14/2026	3.0 - 4.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	143
SW-21	5/14/2026	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.98
SW-22	5/14/2026	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	34.7
SW-23	5/14/2026	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<10.0
SW-24	5/26/2026	2.0'-4.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	22.5
SW-25	5/26/2026	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.0
SW-26	5/26/2026	0.5'-2.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	14.3
SW-27	5/26/2026	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	22.8
SW-28	5/26/2026	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.6
SW-29	5/27/2026	2.0'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.0
SW-30	5/27/2026	2.0'	<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.0
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(SW) Sidewall Sample

Table 2
Delek Logistics
Matador Gavalin (03.13.2026)
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						
SW-31	5/27/2026	2.0'	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<10.1
SW-32	5/27/2026	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.1
SW-33	5/27/2026	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	30.6
SW-34	5/27/2026	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.92
SW-35	5/27/2026	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<9.98
SW-36	5/27/2026	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<9.92
SW-37	5/27/2026	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.0
SW-38	5/27/2026	0.5'-2.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.94
SW-39	5/27/2026	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	18.8
SW-40	5/27/2026	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	68.3
SW-41	5/27/2026	2.0'	<49.9	**161**	<49.9	**161**	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	84.5
	5/29/2026	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	19.8
SW-42	5/27/2026	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<9.92
SW-43	5/27/2026	2.0'	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<9.96
SW-44	5/27/2026	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<10.0
SW-45	5/27/2026	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	20.5
SW-46	5/27/2026	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	22.3
SW-47	5/27/2026	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	133
SW-48	5/27/2026	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	61.4
SW-49	5/27/2026	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	167
SW-50	5/27/2026	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	57.7
SW-51	5/27/2026	4.0'	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.1
SW-52	5/27/2026	4.0'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	12.5
SW-53	6/8/2026	4.0'	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<10.1
SW-54	6/8/2026	4.0'	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	22.4
SW-55	6/8/2026	3.0' - 4.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<10.0
SW-56	6/8/2026	3.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	18.5
SW-57	6/8/2026	3.0'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<10.1
Backfill Sample(Topsoil)	5/13/2026	-	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<10.0
Backfill Caliche	6/2/2026	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	17.9
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(SW) Sidewall Sample
Removed

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

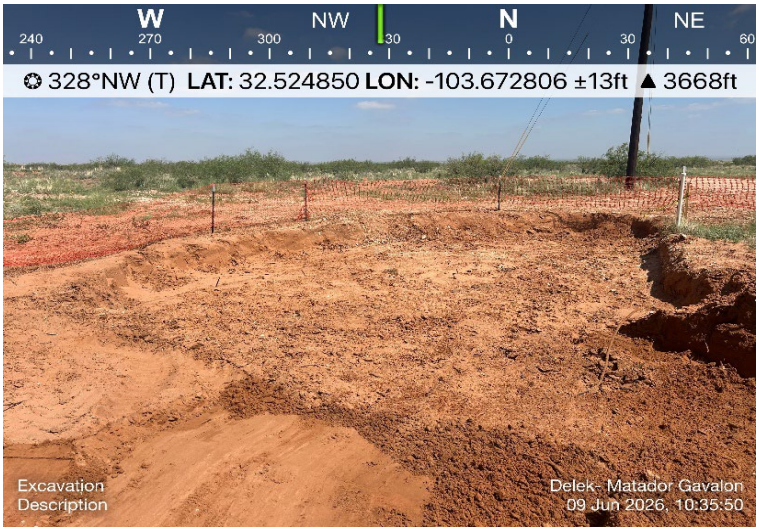
Delek Logistics Company

Photograph No. 1

Facility: Matador Gavalon (03.13.2026)

County: Lea County, New Mexico

Description:
View Northwest, Area CS-1 through CS-6.

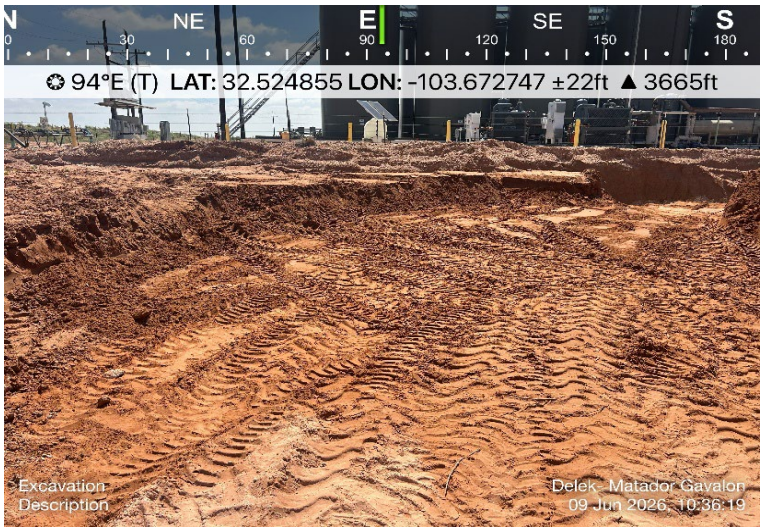


Photograph No. 2

Facility: Matador Gavalon (03.13.2026)

County: Lea County, New Mexico

Description:
View East, Area CS-7 through CS-10 and CS-149 through CS-158.



Photograph No. 3

Facility: Matador Gavalon (03.13.2026)

County: Lea County, New Mexico

Description:
View South, Area CS-11 through CS--16 and CS-141 through CS-148.

CARMONA RESOURCES

PHOTOGRAPHIC LOG

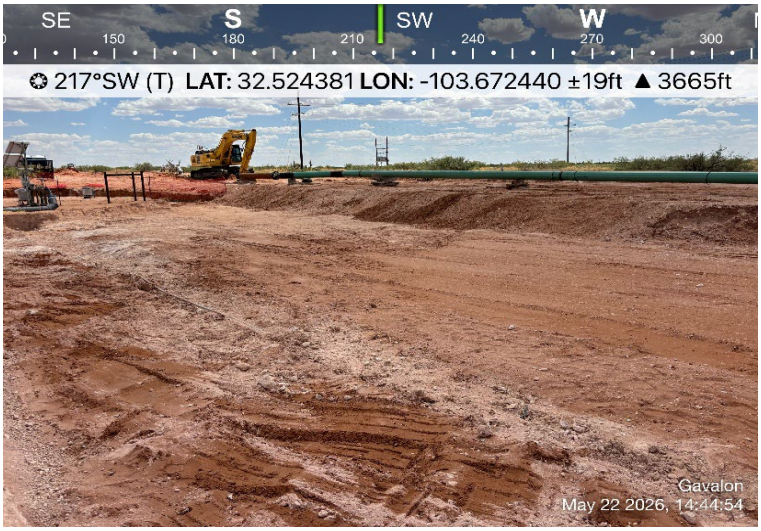
Delek Logistics Company

Photograph No. 1

Facility: Matador Gavalon (03.13.2026)

County: Lea County, New Mexico

Description:
View Southwest, Area CS-17 through CS-27, CS-35 through CS-44, and CS-97.



Photograph No. 2

Facility: Matador Gavalon (03.13.2026)

County: Lea County, New Mexico

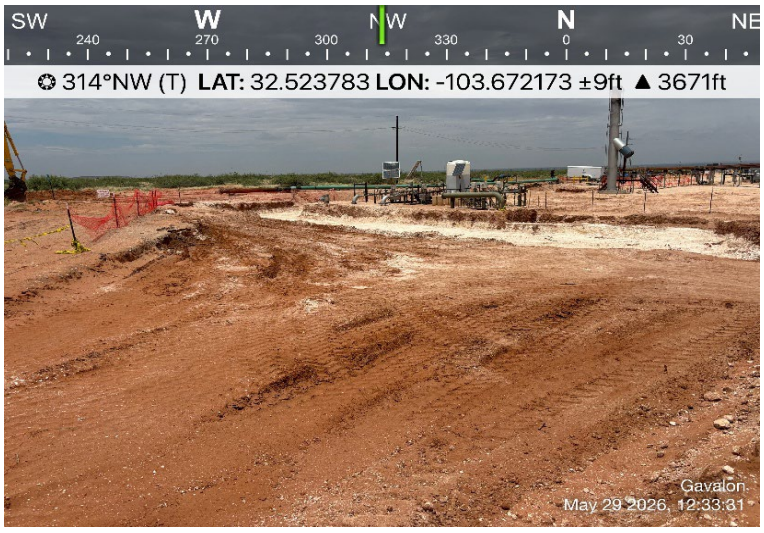
Description:
View North, Area CS-28 through CS-33 and CS-75 through CS-85

Photograph No. 3

Facility: Matador Gavalon (03.13.2026)

County: Lea County, New Mexico

Description:
View Northwest, Area CS-45 through CS-74.



CARMONA RESOURCES

PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph No. 1

Facility: Matador Gavalon (03.13.2026)

County: Lea County, New Mexico

Description:
View Northwest, Area CS-98 through CS-111.

Photograph No. 2

Facility: Matador Gavalon (03.13.2026)

County: Lea County, New Mexico

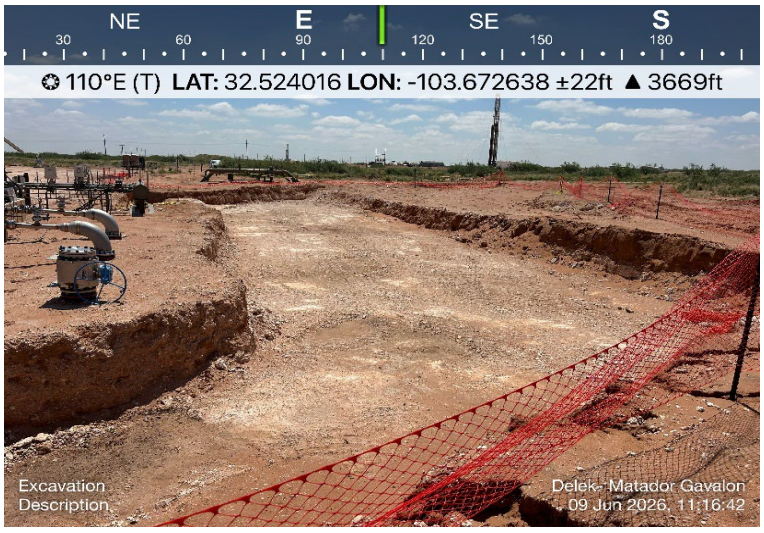
Description:
View Southwest, Area CS-98 through CS-114. (Soil discoloration was due to a weather event)

Photograph No. 3

Facility: Matador Gavalon (03.13.2026)

County: Lea County, New Mexico

Description:
View East, Area CS-115 through CS-140.



CARMONA RESOURCES

APPENDIX C

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 562862

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 562862
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source *Please answer all the questions in this group.*	
Site Name	Matador Gavalin
Date Release Discovered	03/13/2026
Surface Owner	State

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: Other | Unknown | Produced Water | Released: 500 BBL | Recovered: 200 BBL | Lost: 300 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Split in Poly transmission line. Unknown amount as vac trucks are onsite picking up. Better number to be provided later

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 (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 562862
	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	False
All free liquids and recoverable materials have been removed and managed appropriately	False
If all the actions described above have not been undertaken, explain why	Early Reporting- Ops is working to stop and contain the leak
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.	

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

ACKNOWLEDGMENTS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 562862
	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.

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 562862

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 562862
	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.	3/13/2026

****** LIQUID SPILLS - VOLUME CALCULATIONS ******

Location of spill: Matador Gavalin **Date of Spill:** 3/13/2026

If the leak/spill is associated with production equipment, i.e. - wellhead, stuffing box,
flowline, tank battery, production vessel, transfer pump, or storage tank place an "X" here: ☐

Input Data:

If spill volumes from measurement, i.e. metering, tank volumes, etc.are known enter the volumes here: **OIL:** 0.0000 **BBL** **WATER:** 0.0000 **BBL**

If "known" spill volumes are given, input data for the following "Area Calculations" is optional. The above will override the calculated volumes.

Total Area Calculations

Total Surface Area	width		length		wet soil depth	oil (%)
Rectangle Area #1	535 ft	X	75.000 ft	X	6 in	0%
Rectangle Area #2	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #3	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #4	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #5	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #6	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #7	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #8	0 ft	X	0 ft	X	0 in	0%

Standing Liquid Calculations

Standing Liquid Area	width		length		liquid depth	oil (%)
Rectangle Area #1	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #2	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #3	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #4	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #5	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #6	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #7	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #8	0 ft	X	0 ft	X	0 in	0%

okay

Production Data NOT Required

Average Daily Production: Oil 0 BBL Water 0 BBL

Did leak occur before the separator?: ☐ YES ☒ N/A *(place an "X")*

Amount of Free Liquid Recovered: 0 BBL okay

Percentage of Oil in Free Liquid Recovered: 0% (percentage)

Liquid holding factor *: 0.14 gal per gal

Use the following when the spill wets the grains of the soil.
* sand = .08 gallon liquid per gallon volume of soil.
* gravelly (caliche) loam = .14 gallon liquid per gallon volume of soil.
* sandy clay loam soil = .14 gallon liquid per gallon volume of soil.
* clay loam = .16 gallon liquid per gallon volume of soil.

Use the following when the liquid completely fills the pore space of the soil:
Occures when the spill soaked soil is contained by barriers, natural (or not).
* gravelly (caliche) loam = .25 gallon liquid per gallon volume of soil.
* sandy loam = .5 gallon liquid per gallon volume of soil.

Saturated Soil Volume Calculations:

		H2O	OIL
Total Solid/Liquid Volume:	40,125 sq. ft.	20,063 cu. ft.	cu. ft.

Free Liquid Volume Calculations:

		H2O	OIL
Total Free Liquid Volume:	sq. ft.	.000 cu. ft.	.000 cu. ft.

Estimated Volumes Spilled

	H2O	OIL
Liquid in Soil:	500.2 BBL	0.0 BBL
Free Liquid:	0.0 BBL	0.0 BBL
Totals:	500.225 BBL	0.000 BBL
Total Liquid Spill Liquid:	500.225 BBL	0.000 BBL

Estimated Production Volumes Lost

	H2O	OIL
Estimated Production Spilled:	0.000000 BBL	0.000000 BBL

Estimated Surface Damage

Surface Area: 40,125 sq. ft.

Surface Area: .9211 acre

Recovered Volumes

Estimated oil recovered: 0.0 BBL check - okay

Estimated water recovered: 0.0 BBL check - okay

Estimated Weights, and Volumes

Saturated Soil =	2,247,000 lbs	20,063 cu.ft.	743 cu.yds.	
Total Liquid =	500 BBL	21,009.45 gallon	174,799 lbs	

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 581817

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 581817
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2607250189**
Incident Name	**NAPP2607250189 MATADOR GAVALIN @ A-33-20S-33E**
Incident Type	**Produced Water Release**
Incident Status	**Notification Accepted**

Location of Release Source	
Site Name	**Matador Gavalin**
Date Release Discovered	**03/13/2026**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	39,000
What is the estimated number of samples that will be gathered	220
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/13/2026
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources 432-813-8988 Will begin collecting 1 of ~220 confirmation samples. Dense lithology may slow progress onsite.
Please provide any information necessary for navigation to sampling site	32.524222, -103.672306

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 581817
	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.	5/4/2026
cassiewhitefield	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	5/4/2026

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 581818

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 581818
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2607250189**
Incident Name	**NAPP2607250189 MATADOR GAVALIN @ A-33-20S-33E**
Incident Type	**Produced Water Release**
Incident Status	**Notification Accepted**

Location of Release Source	
Site Name	**Matador Gavalin**
Date Release Discovered	**03/13/2026**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	39,000
What is the estimated number of samples that will be gathered	220
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/14/2026
Time sampling will commence	09:00 AM
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	32.524222, -103.672306

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 581818
	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.	5/4/2026
cassiewhitefield	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	5/4/2026

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 584872

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 584872
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2607250189**
Incident Name	**NAPP2607250189 MATADOR GAVALIN @ A-33-20S-33E**
Incident Type	**Produced Water Release**
Incident Status	**Notification Accepted**

Location of Release Source	
Site Name	**Matador Gavalin**
Date Release Discovered	**03/13/2026**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	39,000
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/20/2026
Time sampling will commence	09:00 AM
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	32.524222, -103.672306

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 584872
	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.	5/13/2026
cassiewhitefield	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	5/13/2026

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 584874

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 584874
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2607250189**
Incident Name	**NAPP2607250189 MATADOR GAVALIN @ A-33-20S-33E**
Incident Type	**Produced Water Release**
Incident Status	**Notification Accepted**

Location of Release Source	
Site Name	**Matador Gavalin**
Date Release Discovered	**03/13/2026**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	39,000
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/21/2026
Time sampling will commence	09:00 AM
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	32.524222, -103.672306

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator:	OGRID:
DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	330291
	Action Number: 584874
	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.	5/13/2026
cassiewhitefield	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	5/13/2026

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 587891

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 587891
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2607250189**
Incident Name	**NAPP2607250189 MATADOR GAVALIN @ A-33-20S-33E**
Incident Type	**Produced Water Release**
Incident Status	**Notification Accepted**

Location of Release Source	
Site Name	**Matador Gavalin**
Date Release Discovered	**03/13/2026**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	39,000
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/26/2026
Time sampling will commence	09:00 AM
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	32.524222, -103.672306

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator:	OGRID:
DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	330291
	Action Number: 587891
	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.	5/24/2026
cassiewhitefield	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	5/24/2026

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 587892

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 587892
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2607250189**
Incident Name	**NAPP2607250189 MATADOR GAVALIN @ A-33-20S-33E**
Incident Type	**Produced Water Release**
Incident Status	**Notification Accepted**

Location of Release Source	
Site Name	**Matador Gavalin**
Date Release Discovered	**03/13/2026**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	39,000
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/27/2026
Time sampling will commence	09:00 AM
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	32.524222, -103.672306

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator:	OGRID:
DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	330291
	Action Number: 587892
	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.	5/24/2026
cassiewhitefield	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	5/24/2026

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 587893

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 587893
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2607250189**
Incident Name	**NAPP2607250189 MATADOR GAVALIN @ A-33-20S-33E**
Incident Type	**Produced Water Release**
Incident Status	**Notification Accepted**

Location of Release Source	
Site Name	**Matador Gavalin**
Date Release Discovered	**03/13/2026**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	39,000
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/28/2026
Time sampling will commence	09:00 AM
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	32.524222, -103.672306

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 587893

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 587893
	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.	5/24/2026
cassiewhitefield	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	5/24/2026

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 587894

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 587894
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2607250189**
Incident Name	**NAPP2607250189 MATADOR GAVALIN @ A-33-20S-33E**
Incident Type	**Produced Water Release**
Incident Status	**Notification Accepted**

Location of Release Source	
Site Name	**Matador Gavalin**
Date Release Discovered	**03/13/2026**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	39,000
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/29/2026
Time sampling will commence	09:00 AM
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	32.524222, -103.672306

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 587894

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 587894
	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.	5/24/2026
cassiewhitefield	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	5/24/2026

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 591278

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 591278
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2607250189**
Incident Name	**NAPP2607250189 MATADOR GAVALIN @ A-33-20S-33E**
Incident Type	**Produced Water Release**
Incident Status	**Notification Accepted**

Location of Release Source	
Site Name	**Matador Gavalin**
Date Release Discovered	**03/13/2026**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	5,000
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/08/2026
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources 432-813-8988 Due to inclement weather, final day of sampling on the northwest side of the remediation area.
Please provide any information necessary for navigation to sampling site	32.524222, -103.672306

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator:	OGRID:
DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	330291
	Action Number: 591278
	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.	6/3/2026
cassiewhitefield	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	6/3/2026

APPENDIX D

CARMONA RESOURCES

Nearest Water Well

DKL Energy - Cottonwood, LLC

Legend

- 0.50 Mile Radius
- 1.56 Miles
- 1.77 Miles
- 2.65 Miles
- Groundwater Determination Bore
- Matador Gavalin (03.13.2026)
- NMSEO Water Well

105' GWDB - Drilled 2025

823' - Drilled 2013

Matador Gavalin (03.13.2026)

55' GWDB - Drillled 2021

Google Earth

Image © 2025 Airbus

N

1 mi

Low Karst

DKL Energy - Cottonwood, LLC

Legend

- Low
- Matador Gavalin (03.13.2026)

Matador Gavalin (03.13.2026)

Google Earth

Released to Imaging: 6/25/2026 8:46:47 AM

Image © 2026 Airbus

N

1 mi

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 02063 POD1		CP	LE	SE	NE	NE	31	20S	33E	622477.2	3600483.8		2503	105		
CP 01151 POD1		CP	LE				32	22S	36E	627036.9	3601186.2		2994	823		

Average Depth to Water: **0 feet**

Minimum Depth: **0 feet**

Maximum Depth: **0 feet**

Record Count: 2

UTM Filters (in meters):

Easting: 624693.78

Northing: 3599321.02

Radius: 4000.00

*** 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.

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 1 (TW-1)	N/A	CP-2063

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Exxon Mobil	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
106 W Green St.	Carlsbad	NM	88220

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	32	5.85	N
	LONGITUDE	103	41	44.71	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

SE NE NE Sec. 31 T20S R33E. Hat Mesa

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
06/09/2025	06/09/2025	Temporary Well Material	±105	N/A

COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DATE STATIC MEASURED:

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Hollow Stem Auger

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	105	±6.25	Soil Boring	--	--	--	--

OSE DIT ROSWELL NM
20 JUN '25 AM 9:52

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			N/A		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. CP-2063	POD NO. 1	TRN NO. 785271	
LOCATION 20S. 33E. 31 4 22		WELL TAG ID NO. NA	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	6	6	Caliche, semi-consolidated, tan/white	Y ✓ N	
6	19	13	Sand, fine-grained, with caliche, tan and white	Y ✓ N	
19	39	10	Sand, fine-grained, clay, tannish brown	Y ✓ N	
39	69	30	Clay, with fine-grained sand semi-consolidated, Brown	Y ✓ N	
69	105	36	Clay, Stiff, High plastic, Brown	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm):

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface.

OSE DII ROSWELL NM
20 JUN '25 AM9:52

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Cameron Pruitt

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Jack Atkins (Jun 20, 2025 07:48 MDT) Jackie D. Atkins 06/20/2025

SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE

FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. CP- 2063	POD NO. 1	TRN NO. 785271	
LOCATION 20S.33E.31 422		WELL TAG ID NO. NA	PAGE 2 OF 2

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
ROSWELL
2013 APR 24 A 10:07

1. GENERAL AND WELL LOCATION

OSE POD NUMBER (WELL NUMBER): 1	OSE FILE NUMBER(S): CP-1151
WELL OWNER NAME(S): Caza Operating LLC, Richard Wright	PHONE (OPTIONAL):
WELL OWNER MAILING ADDRESS: 200 North Loraine	CITY: Midland, Tx STATE: ZIP: 79701

WELL LOCATION (FROM GPS)

	DEGREES	MINUTES	SECONDS	
LATITUDE	32	32	0.446	N
LONGITUDE	-103	38	3827	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

N½ Sec. 32 Township 22S Range 36E

2. DRILLING & CASING INFORMATION

LICENSE NUMBER	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1292	Billy L. Bentle	Bentle Water Well Ser.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
2-21-13	4-12-13		823	

STATIC WATER LEVEL IN COMPLETED WELL (FT):

COMPLETED WELL IS: ○ ARTESIAN ◉ DRY HOLE ○ SHALLOW (UNCONFINED)

DRILLING FLUID: ○ AIR ◉ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ○ ROTARY ○ HAMMER ◉ CABLE TOOL ○ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
+1	6	18	A-53 B	PE	12¼	.250	—
0	823	6	none dry hole				

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0	6	18	Cement	3	Tremie
0	823	6	Cement	340	Tremie

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	CP-1151	POD NUMBER	1	TRN NUMBER	520275
LOCATION	OWD	22S.35E.35.222			PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	3	3	Top Soil	○ Y ● N	
3	11	8	Caliche	○ Y ● N	
11	20	9	Sandy Clay	○ Y ● N	
20	28	8	Dry Sand	○ Y ● N	
28	31	3	Rock	○ Y ● N	
31	53	22	Red Sandy Clay	○ Y ● N	
53	131	78	Red Bed	○ Y ● N	
131	162	31	Lime	○ Y ● N	
162	193	31	Sand	○ Y ● N	
193	260	67	Red Bed	○ Y ● N	
260	336	76	Rock	○ Y ● N	
336	484	148	Red Bed w/sand stringers	○ Y ● N	
484	519	35	Red & Blue Clay	○ Y ● N	
519	529	10	Sand	○ Y ● N	
529	543	14	Hard Red & Blue Clay	○ Y ● N	
543	638	95	Red & Blue clay w/tight sand stringers	○ Y ● N	
638	730	92	Red & Blue Clay	○ Y ● N	
730	732	2	Rock	○ Y ● N	
732	823	95	Red Bed	○ Y ● N	
				○ Y ○ N	
				○ Y ○ N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: ○ PUMP ● AIR LIFT ○ BAILER ○ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): DRY

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

!!!!!!!!!!!!!

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:

By Billy Bantle Billy Bantle 4-24-13

SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	CP-1151	POD NUMBER	1	TRN NUMBER	520275
LOCATION	OWD	225.35E.35.222			PAGE 2 OF 2

Locator Tool Report

General Information:

Application ID:29 Date: 02-24-2017 Time: 10:27:10

WR File Number: CP-01151
Purpose: POINT OF DIVERSION

Applicant First Name: RANDALL
Applicant Last Name: HICKS

GW Basin: CAPITAN
County: LEA

Critical Management Area Name(s): NONE
Special Condition Area Name(s): NONE
Land Grant Name: NON GRANT

PLSS Description (New Mexico Principal Meridian):

SE 1/4 of SE 1/4 of NW 1/4 of SE 1/4 of Section 27, Township 20S, Range 33E.

Coordinate System Details:

Geographic Coordinates: Well Drillers Lat and Long

Latitude:	32 Degrees	32 Minutes	26.8 Seconds	N
Longitude:	103 Degrees	38 Minutes	49.6 Seconds	W

Universal Transverse Mercator Zone: 13N

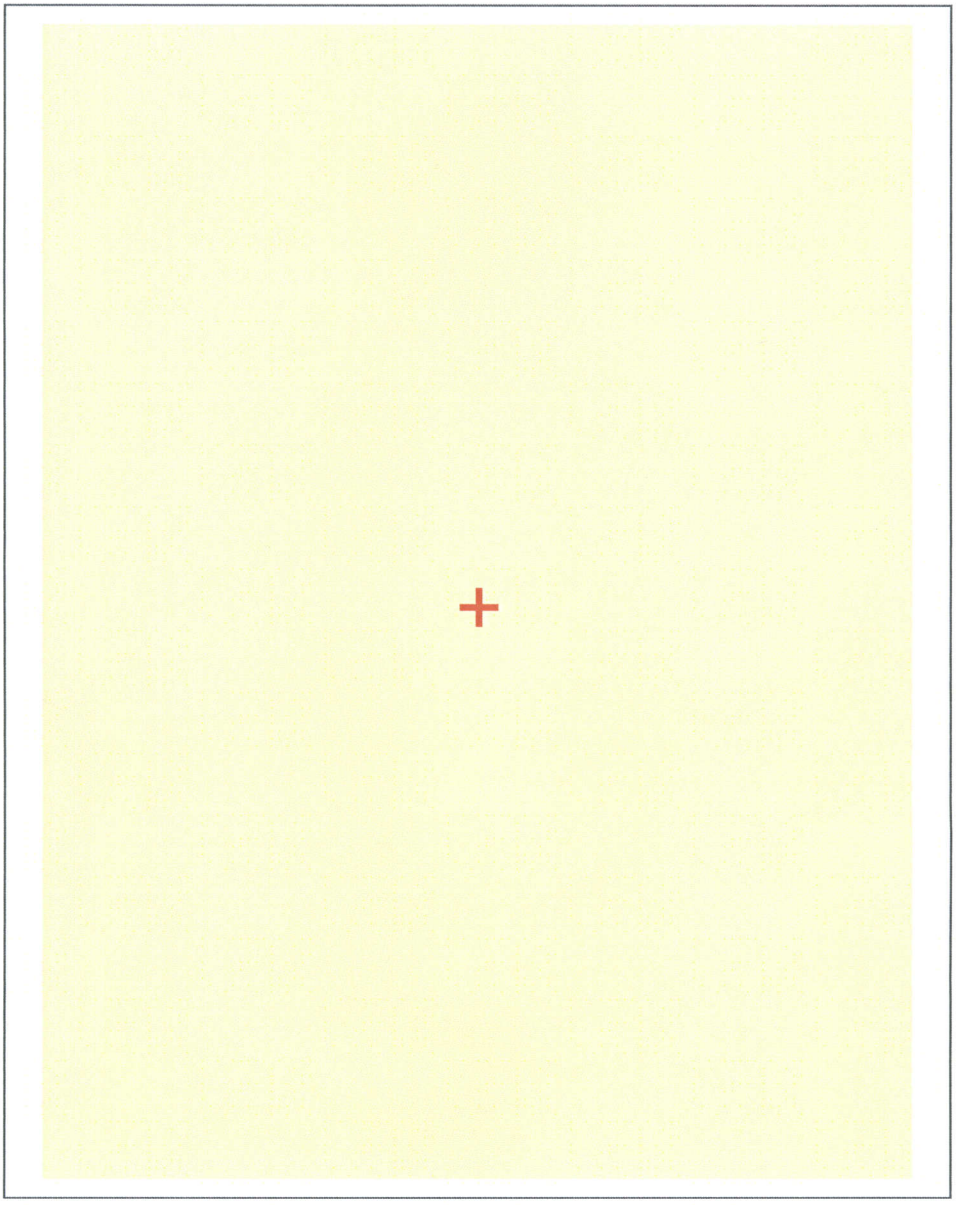
NAD 1983(92) (Meters)	N: 3,601,185	E: 627,036
NAD 1983(92) (Survey Feet)	N: 11,814,888	E: 2,057,202
NAD 1927 (Meters)	N: 3,600,982	E: 627,086
NAD 1927 (Survey Feet)	N: 11,814,223	E: 2,057,363

State Plane Coordinate System Zone: New Mexico East

NAD 1983(92) (Meters)	N: 171,037	E: 229,454
NAD 1983(92) (Survey Feet)	N: 561,143	E: 752,801
NAD 1927 (Meters)	N: 171,018	E: 216,902
NAD 1927 (Survey Feet)	N: 561,081	E: 711,620

NEW MEXICO OFFICE OF STATE ENGINEER

Locator Tool Report



WR File Number: CP-01151 Scale: 1:57,473

Northing/Easting: UTM83(92) (Meter): N: 3,601,185 E: 627,036

Northing/Easting: SPCS83(92) (Feet): N: 561,143 E: 752,801

GW Basin: Capitan

Print Date: 02/24/2017

Scott A. Verhines, P.E.
State Engineer

well Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 520275
File Nbr: CP 01151
Well File Nbr: CP 01151 POD1

Apr. 29, 2013

RANDALL T HICKS
CAZA OPERATING LLC
901 RIO GRANDE NW, F-142
ALBUQUERQUE, NM 87104

Greetings:

The above numbered permit was issued in your name on 01/22/2013.

The Well Record was received in this office on 04/24/2013, stating that it had been completed on 04/12/2013, and was a dry well. The well is to be plugged or capped or otherwise maintained in a manner satisfactory to the State Engineer.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 01/31/2014.

If you have any questions, please feel free to contact us.

Sincerely,

Yolanda Mendiola
(575)622-6521

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD1 (BH-01)	n/a	CP-1884

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Ascent Energy	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
P.O Box 270983	Littleton	CO	80127

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	30	3.18	N
	LONGITUDE	103	38	10.22	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

SW SW SW Sec. 01 T21S R32E

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
09/08/2021	09/08/2021	temporary well material	55	n/a

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): n/a

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Hollow Stem Auger

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	55	±6.5	Boring- HSA	--	--	--	--

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT

OSE DII SEP 23 2021 PM 01

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO. CP-1884	POD NO. 1	TRN NO. 699871	
LOCATION 21S-32E-01 333		WELL TAG ID NO. N/A	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	9	9	Sand, Medium/fine, with some caliche, Red	Y ✓ N	
9	14	5	Sand, Medium/fine, with some caliche, Brown	Y ✓ N	
14	24	10	Caliche with Medium/fine sannd, Off white	Y ✓ N	
24	34	10	Sand, Medium/fine, with some caliche, Brown	Y ✓ N	
34	55	21	Caliche with Medium/fine sannd, Off white	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface.

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Shane Eldridge, Cameron Pruitt and Carmelo Trevino

OSE DII SEP 28 2021 PM3:01

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Jack Atkins — Jackie D. Atkins — 09/27/2021

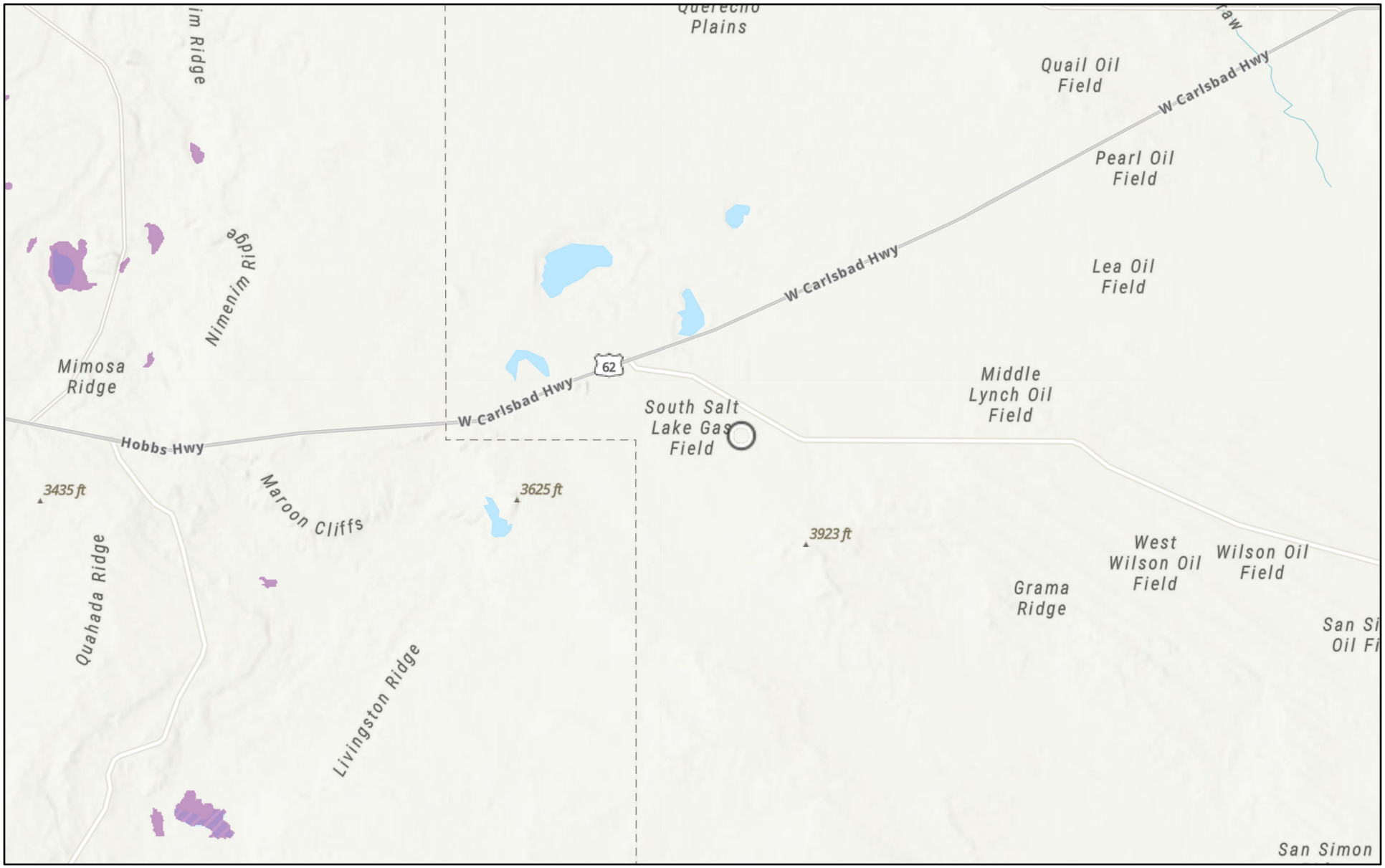
SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO. CP-1884	POD NO. 1	TRN NO. 699871	
LOCATION 21S-32E-01 333		WELL TAG ID NO. N/A	PAGE 2 OF 2

Released to Imaging: 6/25/2026 8:46:47 AM
Received by OCD: 6/17/2026 9:45:35 AM

Matador Gavalin (03.13.2026)



6/3/2026

USA Flood Hazard Areas

1% Annual Chance Flood Hazard

World_Hillshade

1:288,895

0 2 4 8 mi

0 3.25 6.5 13 km

Source: FEMA, Esri, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Esri, NASA,

Released to Imaging: 6/25/2026 8:46:47 AM
Received by OCD: 6/17/2026 9:45:35 AM

Matador Gavalin (03.13.2026)

6/3/2026, 6:44:08 PM

1:72,224

0 0.75 1.5 3 mi

0 1.25 2.5 5 km

- OSW Water Bodys
- OSE Probable Playas
- OSE Streams

NM OSE, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Esri, NASA, NGA, USGS, FEMA

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

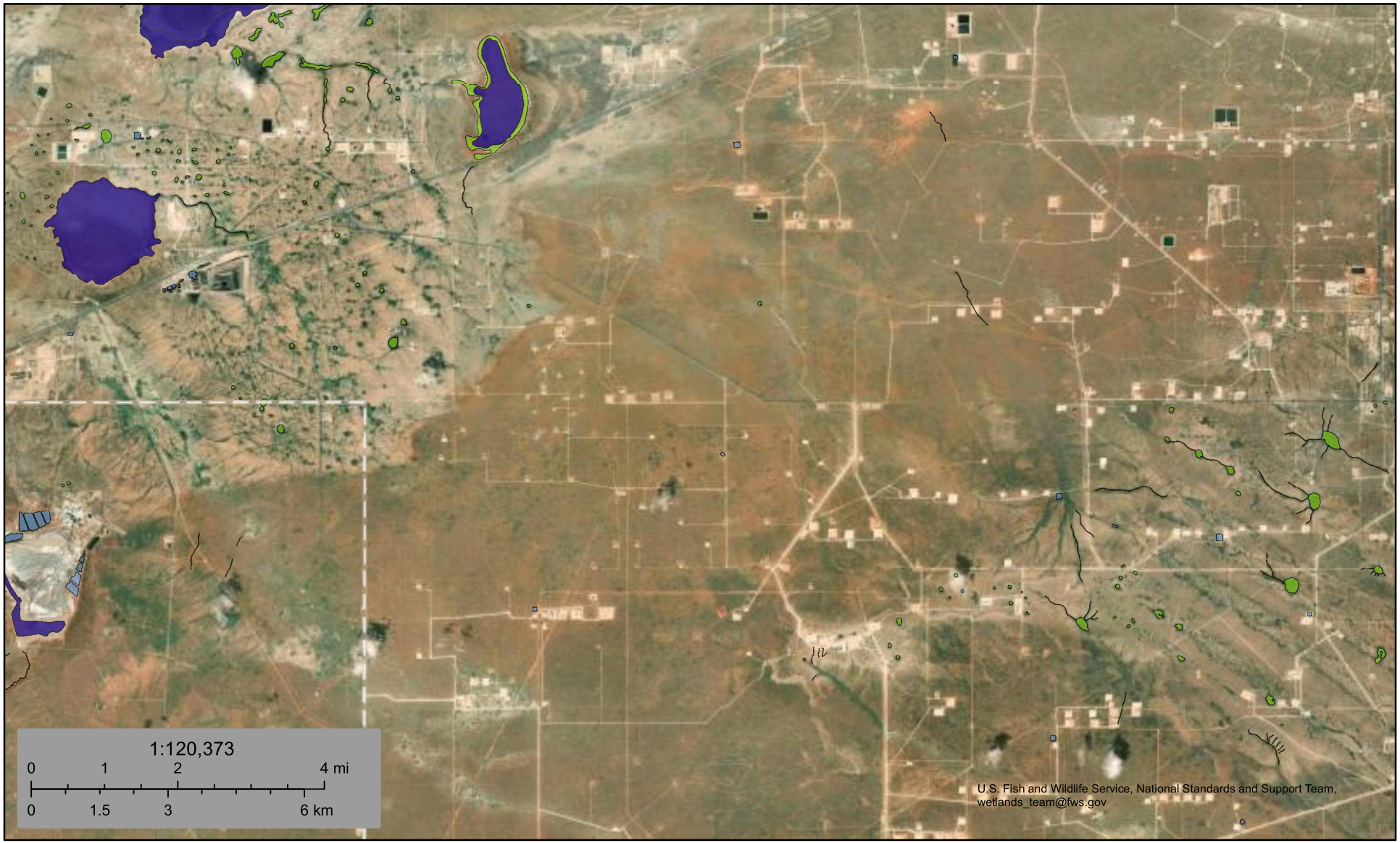
Released to Imaging: 6/25/2026 8:46:47 AM

Received by OCD: 6/17/2026 9:45:35 AM

U.S. Fish and Wildlife Service

National Wetlands Inventory

Matador Gavalin (03.13.2026)



June 3, 2026

Wetlands

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

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

APPENDIX E

CARMONA RESOURCES

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/20/2026 11:18:10 AM

JOB DESCRIPTION

MATADOR GAVALON (03.13.2026)
Lea County New Mexico

JOB NUMBER

890-9669-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 6/23/2026 8:46:47 AM

my EOL

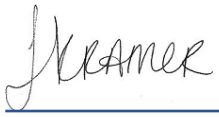
Eurofins Carlsbad

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
3/20/2026 11:18:10 AM

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

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Laboratory Job ID: 890-9669-1
SDG: Lea County New Mexico

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 18
QC Sample Results 20
QC Association Summary 27
Lab Chronicle 32
Certification Summary 37
Method Summary 38
Sample Summary 39
Chain of Custody 40
Receipt Checklists 44

Definitions/Glossary

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources Job ID: 890-9669-1
Project: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1 Eurofins Carlsbad

Job Narrative
890-9669-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 3/17/2026 2:56 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 3.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: H - 1 (0-0.5') (890-9669-1), H - 2 (0-0.5') (890-9669-2), H - 3 (0-0.5') (890-9669-3), H - 4 (0-0.5') (890-9669-4), H - 5 (0-0.5') (890-9669-5), H - 6 (0-0.5') (890-9669-6), H - 7 (0-0.5') (890-9669-7), H - 8 (0-0.5') (890-9669-8), H - 9 (0-0.5') (890-9669-9), H - 10 (0-0.5') (890-9669-10), H - 11 (0-0.5') (890-9669-11), H - 12 (0-0.5') (890-9669-12), H - 13 (0-0.5') (890-9669-13), H - 14 (0-0.5') (890-9669-14) and H - 15 (0-0.5') (890-9669-15).

GC VOA
Method 8021B: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with preparation batch 880-135270 and analytical batch 880-135248 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Toluene, Ethylbenzene, m,p-Xylenes and o-Xylene in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

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

Diesel Range Organics
Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (MB 880-135250/1-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: H - 5 (0-0.5') (890-9669-5), H - 8 (0-0.5') (890-9669-8) and H - 11 (0-0.5') (890-9669-11). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-135250/2-A), (LCSD 880-135250/3-A) and (890-9669-A-5-B MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (MB 880-135249/1-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: The matrix spike (MS) recoveries for preparation batch 880-135249 and analytical batch 880-135376 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery 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.

Client Sample Results

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

Client Sample ID: H - 1 (0-0.5')

Lab Sample ID: 890-9669-1
Matrix: Solid
Date Collected: 03/17/26 00:00
Date Received: 03/17/26 14:56

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		03/18/26 07:52	03/18/26 16:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/18/26 07:52	03/18/26 16:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/18/26 07:52	03/18/26 16:04	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		03/18/26 07:52	03/18/26 16:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/18/26 07:52	03/18/26 16:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/18/26 07:52	03/18/26 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*03/18/26 07:52*	*03/18/26 16:04*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/18/26 07:52*	*03/18/26 16:04*	*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			03/18/26 16:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			03/19/26 23:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		03/18/26 09:08	03/19/26 23:26	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		03/18/26 09:08	03/19/26 23:26	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/18/26 09:08	03/19/26 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*107*		*70 - 130*	*03/18/26 09:08*	*03/19/26 23:26*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*03/18/26 09:08*	*03/19/26 23:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**545**		9.94		mg/Kg			03/18/26 20:33	1

Client Sample ID: H - 2 (0-0.5')

Lab Sample ID: 890-9669-2
Matrix: Solid
Date Collected: 03/17/26 00:00
Date Received: 03/17/26 14:56

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		03/18/26 07:52	03/18/26 16:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/18/26 07:52	03/18/26 16:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/18/26 07:52	03/18/26 16:24	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		03/18/26 07:52	03/18/26 16:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/18/26 07:52	03/18/26 16:24	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/18/26 07:52	03/18/26 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/18/26 07:52*	*03/18/26 16:24*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/18/26 07:52*	*03/18/26 16:24*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

Client Sample ID: H - 2 (0-0.5')

Lab Sample ID: 890-9669-2
Matrix: Solid
Date Collected: 03/17/26 00:00
Date Received: 03/17/26 14:56

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/18/26 16:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			03/19/26 23:41	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	<50.3	U	50.3		mg/Kg		03/18/26 09:08	03/19/26 23:41	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		03/18/26 09:08	03/19/26 23:41	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		03/18/26 09:08	03/19/26 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*105*		*70 - 130*	*03/18/26 09:08*	*03/19/26 23:41*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*03/18/26 09:08*	*03/19/26 23:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**94.5**		10.1		mg/Kg			03/18/26 20:53	1

Client Sample ID: H - 3 (0-0.5')

Lab Sample ID: 890-9669-3
Matrix: Solid
Date Collected: 03/17/26 00:00
Date Received: 03/17/26 14:56

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		03/18/26 07:52	03/18/26 16:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/18/26 07:52	03/18/26 16:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/18/26 07:52	03/18/26 16:45	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		03/18/26 07:52	03/18/26 16:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/18/26 07:52	03/18/26 16:45	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/18/26 07:52	03/18/26 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*03/18/26 07:52*	*03/18/26 16:45*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*03/18/26 07:52*	*03/18/26 16:45*	*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			03/18/26 16:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			03/19/26 23:56	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	<50.2	U	50.2		mg/Kg		03/18/26 09:08	03/19/26 23:56	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		03/18/26 09:08	03/19/26 23:56	1

Client Sample Results

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

Client Sample ID: H - 3 (0-0.5')

Lab Sample ID: 890-9669-3
Matrix: Solid
Date Collected: 03/17/26 00:00
Date Received: 03/17/26 14:56

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)	<50.2	U	50.2		mg/Kg		03/18/26 09:08	03/19/26 23:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*106*		*70 - 130*	*03/18/26 09:08*	*03/19/26 23:56*	*1*
o-Terphenyl (Surr)	*88*		*70 - 130*	*03/18/26 09:08*	*03/19/26 23:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			03/18/26 21:00	1

Client Sample ID: H - 4 (0-0.5')

Lab Sample ID: 890-9669-4
Matrix: Solid
Date Collected: 03/17/26 00:00
Date Received: 03/17/26 14:56

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		03/18/26 07:52	03/18/26 17:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/18/26 07:52	03/18/26 17:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/18/26 07:52	03/18/26 17:06	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		03/18/26 07:52	03/18/26 17:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/18/26 07:52	03/18/26 17:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/18/26 07:52	03/18/26 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/18/26 07:52*	*03/18/26 17:06*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/18/26 07:52*	*03/18/26 17:06*	*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			03/18/26 17:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			03/20/26 00:12	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	<50.2	U	50.2		mg/Kg		03/18/26 09:08	03/20/26 00:12	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		03/18/26 09:08	03/20/26 00:12	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		03/18/26 09:08	03/20/26 00:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*105*		*70 - 130*	*03/18/26 09:08*	*03/20/26 00:12*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*03/18/26 09:08*	*03/20/26 00:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1500**		10.1		mg/Kg			03/18/26 21:06	1

Client Sample Results

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

Client Sample ID: H - 5 (0-0.5')

Lab Sample ID: 890-9669-5
Matrix: Solid
Date Collected: 03/17/26 00:00
Date Received: 03/17/26 14:56

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		03/18/26 07:52	03/18/26 17:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/18/26 07:52	03/18/26 17:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/18/26 07:52	03/18/26 17:26	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		03/18/26 07:52	03/18/26 17:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/18/26 07:52	03/18/26 17:26	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/18/26 07:52	03/18/26 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/18/26 07:52*	*03/18/26 17:26*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/18/26 07:52*	*03/18/26 17:26*	*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			03/18/26 17:26	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			03/19/26 18:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/18/26 09:11	03/19/26 18:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/18/26 09:11	03/19/26 18:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/18/26 09:11	03/19/26 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*118*		*70 - 130*	*03/18/26 09:11*	*03/19/26 18:40*	*1*
o-Terphenyl (Surr)	*140*	*S1+*	*70 - 130*	*03/18/26 09:11*	*03/19/26 18:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**87.9**		10.1		mg/Kg			03/18/26 21:13	1

Client Sample ID: H - 6 (0-0.5')

Lab Sample ID: 890-9669-6
Matrix: Solid
Date Collected: 03/17/26 00:00
Date Received: 03/17/26 14:56

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		03/18/26 07:52	03/18/26 17:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/18/26 07:52	03/18/26 17:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/18/26 07:52	03/18/26 17:47	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		03/18/26 07:52	03/18/26 17:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/18/26 07:52	03/18/26 17:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/18/26 07:52	03/18/26 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/18/26 07:52*	*03/18/26 17:47*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*03/18/26 07:52*	*03/18/26 17:47*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

Client Sample ID: H - 6 (0-0.5')

Lab Sample ID: 890-9669-6
Date Collected: 03/17/26 00:00
Matrix: Solid
Date Received: 03/17/26 14:56

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			03/18/26 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/19/26 19:24	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		03/18/26 09:11	03/19/26 19:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/18/26 09:11	03/19/26 19:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/18/26 09:11	03/19/26 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*114*		*70 - 130*	*03/18/26 09:11*	*03/19/26 19:24*	*1*
o-Terphenyl (Surr)	*125*		*70 - 130*	*03/18/26 09:11*	*03/19/26 19:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			03/18/26 21:33	1

Client Sample ID: H - 7 (0-0.5')

Lab Sample ID: 890-9669-7
Date Collected: 03/17/26 00:00
Matrix: Solid
Date Received: 03/17/26 14:56

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		03/18/26 07:52	03/18/26 18:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/18/26 07:52	03/18/26 18:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/18/26 07:52	03/18/26 18:08	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		03/18/26 07:52	03/18/26 18:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/18/26 07:52	03/18/26 18:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/18/26 07:52	03/18/26 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*03/18/26 07:52*	*03/18/26 18:08*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/18/26 07:52*	*03/18/26 18:08*	*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			03/18/26 18:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/19/26 19:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/18/26 09:11	03/19/26 19:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/18/26 09:11	03/19/26 19:39	1

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

Client Sample ID: H - 7 (0-0.5')

Lab Sample ID: 890-9669-7
Matrix: Solid
Date Collected: 03/17/26 00:00
Date Received: 03/17/26 14:56

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		03/18/26 09:11	03/19/26 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*112*		*70 - 130*	*03/18/26 09:11*	*03/19/26 19:39*	*1*
o-Terphenyl (Surr)	*129*		*70 - 130*	*03/18/26 09:11*	*03/19/26 19:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**570**		10.1		mg/Kg			03/18/26 21:40	1

Client Sample ID: H - 8 (0-0.5')

Lab Sample ID: 890-9669-8
Matrix: Solid
Date Collected: 03/17/26 00:00
Date Received: 03/17/26 14:56

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		03/18/26 07:52	03/18/26 18:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/18/26 07:52	03/18/26 18:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/18/26 07:52	03/18/26 18:28	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		03/18/26 07:52	03/18/26 18:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/18/26 07:52	03/18/26 18:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/18/26 07:52	03/18/26 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/18/26 07:52*	*03/18/26 18:28*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*03/18/26 07:52*	*03/18/26 18:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/18/26 18:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			03/19/26 19:54	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	<50.1	U	50.1		mg/Kg		03/18/26 09:11	03/19/26 19:54	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		03/18/26 09:11	03/19/26 19:54	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/18/26 09:11	03/19/26 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*116*		*70 - 130*	*03/18/26 09:11*	*03/19/26 19:54*	*1*
o-Terphenyl (Surr)	*134*	*S1+*	*70 - 130*	*03/18/26 09:11*	*03/19/26 19:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**163**		10.0		mg/Kg			03/18/26 21:46	1

Client Sample Results

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

Client Sample ID: H - 9 (0-0.5')

Lab Sample ID: 890-9669-9
Matrix: Solid
Date Collected: 03/17/26 00:00
Date Received: 03/17/26 14:56

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		03/18/26 07:52	03/18/26 18:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/18/26 07:52	03/18/26 18:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/18/26 07:52	03/18/26 18:49	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		03/18/26 07:52	03/18/26 18:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/18/26 07:52	03/18/26 18:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/18/26 07:52	03/18/26 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*03/18/26 07:52*	*03/18/26 18:49*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/18/26 07:52*	*03/18/26 18:49*	*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			03/18/26 18:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/19/26 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/18/26 09:11	03/19/26 20:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/18/26 09:11	03/19/26 20:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/18/26 09:11	03/19/26 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*111*		*70 - 130*	*03/18/26 09:11*	*03/19/26 20:09*	*1*
o-Terphenyl (Surr)	*113*		*70 - 130*	*03/18/26 09:11*	*03/19/26 20:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			03/19/26 09:57	1

Client Sample ID: H - 10 (0-0.5')

Lab Sample ID: 890-9669-10
Matrix: Solid
Date Collected: 03/17/26 00:00
Date Received: 03/17/26 14:56

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		03/18/26 07:52	03/18/26 19:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/18/26 07:52	03/18/26 19:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/18/26 07:52	03/18/26 19:10	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		03/18/26 07:52	03/18/26 19:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/18/26 07:52	03/18/26 19:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/18/26 07:52	03/18/26 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*03/18/26 07:52*	*03/18/26 19:10*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/18/26 07:52*	*03/18/26 19:10*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

Client Sample ID: H - 10 (0-0.5')

Lab Sample ID: 890-9669-10
Date Collected: 03/17/26 00:00
Matrix: Solid
Date Received: 03/17/26 14:56

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			03/18/26 19:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/19/26 20:24	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	<50.0	U	50.0		mg/Kg		03/18/26 09:11	03/19/26 20:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/18/26 09:11	03/19/26 20:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/18/26 09:11	03/19/26 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*115*		*70 - 130*	*03/18/26 09:11*	*03/19/26 20:24*	*1*
o-Terphenyl (Surr)	*114*		*70 - 130*	*03/18/26 09:11*	*03/19/26 20:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**517**		10.1		mg/Kg			03/18/26 21:54	1

Client Sample ID: H - 11 (0-0.5')

Lab Sample ID: 890-9669-11
Date Collected: 03/17/26 00:00
Matrix: Solid
Date Received: 03/17/26 14:56

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		03/18/26 10:31	03/18/26 19:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/18/26 10:31	03/18/26 19:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/18/26 10:31	03/18/26 19:55	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		03/18/26 10:31	03/18/26 19:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/18/26 10:31	03/18/26 19:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/18/26 10:31	03/18/26 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*03/18/26 10:31*	*03/18/26 19:55*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*03/18/26 10:31*	*03/18/26 19:55*	*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			03/18/26 19:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/19/26 20:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/18/26 09:11	03/19/26 20:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/18/26 09:11	03/19/26 20:40	1

Client Sample Results

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

Client Sample ID: H - 11 (0-0.5')

Lab Sample ID: 890-9669-11
Matrix: Solid
Date Collected: 03/17/26 00:00
Date Received: 03/17/26 14:56

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		03/18/26 09:11	03/19/26 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*120*		*70 - 130*	*03/18/26 09:11*	*03/19/26 20:40*	*1*
o-Terphenyl (Surr)	*139*	*S1+*	*70 - 130*	*03/18/26 09:11*	*03/19/26 20:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**154**		10.0		mg/Kg			03/18/26 22:01	1

Client Sample ID: H - 12 (0-0.5')

Lab Sample ID: 890-9669-12
Matrix: Solid
Date Collected: 03/17/26 00:00
Date Received: 03/17/26 14:56

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		03/18/26 10:31	03/18/26 20:16	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/18/26 10:31	03/18/26 20:16	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/18/26 10:31	03/18/26 20:16	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		03/18/26 10:31	03/18/26 20:16	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/18/26 10:31	03/18/26 20:16	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/18/26 10:31	03/18/26 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*03/18/26 10:31*	*03/18/26 20:16*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*03/18/26 10:31*	*03/18/26 20:16*	*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			03/18/26 20:16	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			03/19/26 20:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/18/26 09:11	03/19/26 20:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/18/26 09:11	03/19/26 20:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/18/26 09:11	03/19/26 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*03/18/26 09:11*	*03/19/26 20:55*	*1*
o-Terphenyl (Surr)	*120*		*70 - 130*	*03/18/26 09:11*	*03/19/26 20:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			03/18/26 22:21	1

Client Sample Results

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

Client Sample ID: H - 13 (0-0.5')

Lab Sample ID: 890-9669-13
Date Collected: 03/17/26 00:00
Matrix: Solid
Date Received: 03/17/26 14:56

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		03/18/26 10:31	03/18/26 20:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/18/26 10:31	03/18/26 20:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/18/26 10:31	03/18/26 20:36	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		03/18/26 10:31	03/18/26 20:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/18/26 10:31	03/18/26 20:36	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/18/26 10:31	03/18/26 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*03/18/26 10:31*	*03/18/26 20:36*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*03/18/26 10:31*	*03/18/26 20:36*	*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			03/18/26 20:36	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			03/19/26 21:10	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		03/18/26 09:11	03/19/26 21:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/18/26 09:11	03/19/26 21:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/18/26 09:11	03/19/26 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*105*		*70 - 130*	*03/18/26 09:11*	*03/19/26 21:10*	*1*
o-Terphenyl (Surr)	*118*		*70 - 130*	*03/18/26 09:11*	*03/19/26 21:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**485**		10.0		mg/Kg			03/18/26 22:27	1

Client Sample ID: H - 14 (0-0.5')

Lab Sample ID: 890-9669-14
Date Collected: 03/17/26 00:00
Matrix: Solid
Date Received: 03/17/26 14:56

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		03/18/26 10:31	03/18/26 20:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/18/26 10:31	03/18/26 20:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/18/26 10:31	03/18/26 20:57	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		03/18/26 10:31	03/18/26 20:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/18/26 10:31	03/18/26 20:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/18/26 10:31	03/18/26 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/18/26 10:31*	*03/18/26 20:57*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*03/18/26 10:31*	*03/18/26 20:57*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

Client Sample ID: H - 14 (0-0.5')

Lab Sample ID: 890-9669-14
Date Collected: 03/17/26 00:00
Matrix: Solid
Date Received: 03/17/26 14:56

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			03/18/26 20:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/19/26 21:25	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		03/18/26 09:11	03/19/26 21:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/18/26 09:11	03/19/26 21:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/18/26 09:11	03/19/26 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*03/18/26 09:11*	*03/19/26 21:25*	*1*
o-Terphenyl (Surr)	*127*		*70 - 130*	*03/18/26 09:11*	*03/19/26 21:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.6**		10.0		mg/Kg			03/18/26 22:47	1

Client Sample ID: H - 15 (0-0.5')

Lab Sample ID: 890-9669-15
Date Collected: 03/17/26 00:00
Matrix: Solid
Date Received: 03/17/26 14:56

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		03/18/26 10:31	03/18/26 21:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/18/26 10:31	03/18/26 21:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/18/26 10:31	03/18/26 21:17	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		03/18/26 10:31	03/18/26 21:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/18/26 10:31	03/18/26 21:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/18/26 10:31	03/18/26 21:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/18/26 10:31*	*03/18/26 21:17*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*03/18/26 10:31*	*03/18/26 21:17*	*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			03/18/26 21:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/19/26 21:56	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	<49.9	U	49.9		mg/Kg		03/18/26 09:11	03/19/26 21:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/18/26 09:11	03/19/26 21:56	1

Client Sample Results

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

Client Sample ID: H - 15 (0-0.5')
Date Collected: 03/17/26 00:00
Date Received: 03/17/26 14:56

Lab Sample ID: 890-9669-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/18/26 09:11	03/19/26 21:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*03/18/26 09:11*	*03/19/26 21:56*	*1*
o-Terphenyl (Surr)	*124*		*70 - 130*	*03/18/26 09:11*	*03/19/26 21:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			03/18/26 22:54	1

Surrogate Summary

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-69714-A-1-D MS	Matrix Spike	103	104
880-69714-A-1-E MSD	Matrix Spike Duplicate	100	104
890-9632-A-1-E MS	Matrix Spike	366 S1+	96
890-9632-A-1-F MSD	Matrix Spike Duplicate	722 S1+	98
890-9669-1	H - 1 (0-0.5')	103	100
890-9669-2	H - 2 (0-0.5')	105	103
890-9669-3	H - 3 (0-0.5')	112	97
890-9669-4	H - 4 (0-0.5')	99	95
890-9669-5	H - 5 (0-0.5')	101	100
890-9669-6	H - 6 (0-0.5')	106	101
890-9669-7	H - 7 (0-0.5')	102	103
890-9669-8	H - 8 (0-0.5')	106	104
890-9669-9	H - 9 (0-0.5')	102	100
890-9669-10	H - 10 (0-0.5')	110	100
890-9669-11	H - 11 (0-0.5')	113	94
890-9669-12	H - 12 (0-0.5')	128	111
890-9669-13	H - 13 (0-0.5')	112	91
890-9669-14	H - 14 (0-0.5')	111	98
890-9669-15	H - 15 (0-0.5')	111	105
LCS 880-135231/1-A	Lab Control Sample	98	101
LCS 880-135270/1-A	Lab Control Sample	123	87
LCSD 880-135231/2-A	Lab Control Sample Dup	100	99
LCSD 880-135270/2-A	Lab Control Sample Dup	117	95
MB 880-135231/5-A	Method Blank	95	95
MB 880-135270/5-A	Method Blank	110	89

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)
880-69670-A-1-E MS	Matrix Spike	110	105
880-69670-A-1-F MSD	Matrix Spike Duplicate	110	104
890-9669-1	H - 1 (0-0.5')	107	92
890-9669-2	H - 2 (0-0.5')	105	93
890-9669-3	H - 3 (0-0.5')	106	88
890-9669-4	H - 4 (0-0.5')	105	92
890-9669-5	H - 5 (0-0.5')	118	140 S1+
890-9669-5 MS	H - 5 (0-0.5')	143 S1+	142 S1+
890-9669-5 MSD	H - 5 (0-0.5')	108	121
890-9669-6	H - 6 (0-0.5')	114	125
890-9669-7	H - 7 (0-0.5')	112	129
890-9669-8	H - 8 (0-0.5')	116	134 S1+
890-9669-9	H - 9 (0-0.5')	111	113
890-9669-10	H - 10 (0-0.5')	115	114

Surrogate Summary

Client: Carmona Resources
Job ID: 890-9669-1
Project/Site: MATADOR GAVALON (03.13.2026)
SDG: Lea County New Mexico

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-9669-11	H - 11 (0-0.5')	120	139 S1+										
890-9669-12	H - 12 (0-0.5')	113	120										
890-9669-13	H - 13 (0-0.5')	105	118										
890-9669-14	H - 14 (0-0.5')	113	127										
890-9669-15	H - 15 (0-0.5')	113	124										
LCS 880-135249/2-A	Lab Control Sample	111	106										
LCS 880-135250/2-A	Lab Control Sample	157 S1+	160 S1+										
LCSD 880-135249/3-A	Lab Control Sample Dup	126	109										
LCSD 880-135250/3-A	Lab Control Sample Dup	158 S1+	156 S1+										
MB 880-135249/1-A	Method Blank	137 S1+	124										
MB 880-135250/1-A	Method Blank	137 S1+	166 S1+										

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-135231/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 135236 — **Prep Batch: 135231**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/18/26 07:52	03/18/26 11:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/18/26 07:52	03/18/26 11:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/18/26 07:52	03/18/26 11:04	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		03/18/26 07:52	03/18/26 11:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/18/26 07:52	03/18/26 11:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/18/26 07:52	03/18/26 11:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*03/18/26 07:52*	*03/18/26 11:04*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/18/26 07:52*	*03/18/26 11:04*	*1*

Lab Sample ID: LCS 880-135231/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 135236 — **Prep Batch: 135231**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1181		mg/Kg		118	70 - 130		
Toluene			0.100	0.1026		mg/Kg		103	70 - 130		
Ethylbenzene			0.100	0.1168		mg/Kg		117	70 - 130		
m,p-Xylenes			0.200	0.2223		mg/Kg		111	70 - 130		
o-Xylene			0.100	0.1102		mg/Kg		110	70 - 130		

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

Lab Sample ID: LCSD 880-135231/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 135236 — **Prep Batch: 135231**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1174		mg/Kg		117	70 - 130	1	35
Toluene			0.100	0.1012		mg/Kg		101	70 - 130	1	35
Ethylbenzene			0.100	0.1168		mg/Kg		117	70 - 130	0	35
m,p-Xylenes			0.200	0.2201		mg/Kg		110	70 - 130	1	35
o-Xylene			0.100	0.1114		mg/Kg		111	70 - 130	1	35

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

Lab Sample ID: 880-69714-A-1-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 135236 — **Prep Batch: 135231**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.1060		mg/Kg		106	70 - 130		
Toluene	<0.00200	U	0.100	0.09201		mg/Kg		92	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-69714-A-1-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 135236 — **Prep Batch: 135231**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1013		mg/Kg		101	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1936		mg/Kg		97	70 - 130
o-Xylene	<0.00200	U	0.100	0.09768		mg/Kg		98	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 880-69714-A-1-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 135236 — **Prep Batch: 135231**

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	0.09775		mg/Kg		98	70 - 130	8	35
Toluene	<0.00200	U	0.100	0.08385		mg/Kg		84	70 - 130	9	35
Ethylbenzene	<0.00200	U	0.100	0.09497		mg/Kg		95	70 - 130	6	35
m,p-Xylenes	<0.00399	U	0.200	0.1804		mg/Kg		90	70 - 130	7	35
o-Xylene	<0.00200	U	0.100	0.09104		mg/Kg		91	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: MB 880-135270/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 135248 — **Prep Batch: 135270**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/18/26 10:31	03/18/26 13:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/18/26 10:31	03/18/26 13:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/18/26 10:31	03/18/26 13:13	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		03/18/26 10:31	03/18/26 13:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/18/26 10:31	03/18/26 13:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/18/26 10:31	03/18/26 13:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*03/18/26 10:31*	*03/18/26 13:13*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*03/18/26 10:31*	*03/18/26 13:13*	*1*

Lab Sample ID: LCS 880-135270/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 135248 — **Prep Batch: 135270**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1052		mg/Kg		105	70 - 130
Toluene	0.100	0.08769		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09296		mg/Kg		93	70 - 130
m,p-Xylenes	0.200	0.1879		mg/Kg		94	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-135270/1-A
Matrix: Solid
Analysis Batch: 135248

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 135270

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.09808		mg/Kg		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: LCSD 880-135270/2-A
Matrix: Solid
Analysis Batch: 135248

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 135270

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1072		mg/Kg		107	70 - 130	2	35
Toluene			0.100	0.08750		mg/Kg		88	70 - 130	0	35
Ethylbenzene			0.100	0.09246		mg/Kg		92	70 - 130	1	35
m,p-Xylenes			0.200	0.1852		mg/Kg		93	70 - 130	1	35
o-Xylene			0.100	0.09615		mg/Kg		96	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 890-9632-A-1-E MS
Matrix: Solid
Analysis Batch: 135248

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 135270

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.00610		0.100	0.1097		mg/Kg		104	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*366*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-9632-A-1-F MSD
Matrix: Solid
Analysis Batch: 135248

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 135270

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.00610		0.100	0.1101		mg/Kg		104	70 - 130	0	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*722*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-135249/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 135376 — **Prep Batch: 135249**

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		03/18/26 09:08	03/19/26 17:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/18/26 09:08	03/19/26 17:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/18/26 09:08	03/19/26 17:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*137*	*S1+*	*70 - 130*	*03/18/26 09:08*	*03/19/26 17:18*	*1*
o-Terphenyl (Surr)	*124*		*70 - 130*	*03/18/26 09:08*	*03/19/26 17:18*	*1*

Lab Sample ID: LCS 880-135249/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 135376 — **Prep Batch: 135249**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1291		mg/Kg		129	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1258		mg/Kg		126	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*111*		*70 - 130*
o-Terphenyl (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-135249/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 135376 — **Prep Batch: 135249**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1072		mg/Kg		107	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	1000	1128		mg/Kg		113	70 - 130	11	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*126*		*70 - 130*
o-Terphenyl (Surr)	*109*		*70 - 130*

Lab Sample ID: 880-69670-A-1-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 135376 — **Prep Batch: 135249**

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 F1	998	1386	F1	mg/Kg		137	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1269		mg/Kg		127	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-69670-A-1-E MS
Matrix: Solid
Analysis Batch: 135376

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 135249

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	110		70 - 130
o-Terphenyl (Surr)	105		70 - 130

Lab Sample ID: 880-69670-A-1-F MSD
Matrix: Solid
Analysis Batch: 135376

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 135249

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 F1	998	1269		mg/Kg		125	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1203		mg/Kg		121	70 - 130	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	110		70 - 130
o-Terphenyl (Surr)	104		70 - 130

Lab Sample ID: MB 880-135250/1-A
Matrix: Solid
Analysis Batch: 135373

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 135250

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		03/18/26 09:11	03/19/26 17:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/18/26 09:11	03/19/26 17:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/18/26 09:11	03/19/26 17:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	137	S1+	70 - 130	03/18/26 09:11	03/19/26 17:18	1
o-Terphenyl (Surr)	166	S1+	70 - 130	03/18/26 09:11	03/19/26 17:18	1

Lab Sample ID: LCS 880-135250/2-A
Matrix: Solid
Analysis Batch: 135373

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 135250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1211		mg/Kg		121	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1225		mg/Kg		122	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	157	S1+	70 - 130
o-Terphenyl (Surr)	160	S1+	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCSD 880-135250/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 135373 — **Prep Batch: 135250**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1220		mg/Kg		122	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1248		mg/Kg		125	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*158*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*156*	*S1+*	*70 - 130*

Lab Sample ID: 890-9669-5 MS — **Client Sample ID: H - 5 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 135373 — **Prep Batch: 135250**

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	1000	1206		mg/Kg		120	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1203		mg/Kg		119	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*143*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*142*	*S1+*	*70 - 130*

Lab Sample ID: 890-9669-5 MSD — **Client Sample ID: H - 5 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 135373 — **Prep Batch: 135250**

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	1000	1238		mg/Kg		124	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1204		mg/Kg		119	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*108*		*70 - 130*
o-Terphenyl (Surr)	*121*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-135264/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 135286

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			03/18/26 20:13	1

QC Sample Results

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-135264/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 135286

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	238.0		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-135264/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 135286

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	237.5		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 890-9669-1 MS — **Client Sample ID: H - 1 (0-0.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 135286

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	545		249	791.8		mg/Kg		99	90 - 110		

Lab Sample ID: 890-9669-1 MSD — **Client Sample ID: H - 1 (0-0.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 135286

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	545		249	792.6		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 890-9669-11 MS — **Client Sample ID: H - 11 (0-0.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 135286

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	154		250	414.8		mg/Kg		104	90 - 110		

Lab Sample ID: 890-9669-11 MSD — **Client Sample ID: H - 11 (0-0.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 135286

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	154		250	414.0		mg/Kg		104	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

GC VOA

Prep Batch: 135231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9669-1	H - 1 (0-0.5')	Total/NA	Solid	5035	
890-9669-2	H - 2 (0-0.5')	Total/NA	Solid	5035	
890-9669-3	H - 3 (0-0.5')	Total/NA	Solid	5035	
890-9669-4	H - 4 (0-0.5')	Total/NA	Solid	5035	
890-9669-5	H - 5 (0-0.5')	Total/NA	Solid	5035	
890-9669-6	H - 6 (0-0.5')	Total/NA	Solid	5035	
890-9669-7	H - 7 (0-0.5')	Total/NA	Solid	5035	
890-9669-8	H - 8 (0-0.5')	Total/NA	Solid	5035	
890-9669-9	H - 9 (0-0.5')	Total/NA	Solid	5035	
890-9669-10	H - 10 (0-0.5')	Total/NA	Solid	5035	
MB 880-135231/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-135231/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-135231/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-69714-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-69714-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 135236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9669-1	H - 1 (0-0.5')	Total/NA	Solid	8021B	135231
890-9669-2	H - 2 (0-0.5')	Total/NA	Solid	8021B	135231
890-9669-3	H - 3 (0-0.5')	Total/NA	Solid	8021B	135231
890-9669-4	H - 4 (0-0.5')	Total/NA	Solid	8021B	135231
890-9669-5	H - 5 (0-0.5')	Total/NA	Solid	8021B	135231
890-9669-6	H - 6 (0-0.5')	Total/NA	Solid	8021B	135231
890-9669-7	H - 7 (0-0.5')	Total/NA	Solid	8021B	135231
890-9669-8	H - 8 (0-0.5')	Total/NA	Solid	8021B	135231
890-9669-9	H - 9 (0-0.5')	Total/NA	Solid	8021B	135231
890-9669-10	H - 10 (0-0.5')	Total/NA	Solid	8021B	135231
MB 880-135231/5-A	Method Blank	Total/NA	Solid	8021B	135231
LCS 880-135231/1-A	Lab Control Sample	Total/NA	Solid	8021B	135231
LCSD 880-135231/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	135231
880-69714-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	135231
880-69714-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	135231

Analysis Batch: 135248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9669-11	H - 11 (0-0.5')	Total/NA	Solid	8021B	135270
890-9669-12	H - 12 (0-0.5')	Total/NA	Solid	8021B	135270
890-9669-13	H - 13 (0-0.5')	Total/NA	Solid	8021B	135270
890-9669-14	H - 14 (0-0.5')	Total/NA	Solid	8021B	135270
890-9669-15	H - 15 (0-0.5')	Total/NA	Solid	8021B	135270
MB 880-135270/5-A	Method Blank	Total/NA	Solid	8021B	135270
LCS 880-135270/1-A	Lab Control Sample	Total/NA	Solid	8021B	135270
LCSD 880-135270/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	135270
890-9632-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	135270
890-9632-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	135270

Prep Batch: 135270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9669-11	H - 11 (0-0.5')	Total/NA	Solid	5035	
890-9669-12	H - 12 (0-0.5')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

GC VOA (Continued)

Prep Batch: 135270 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9669-13	H - 13 (0-0.5')	Total/NA	Solid	5035	
890-9669-14	H - 14 (0-0.5')	Total/NA	Solid	5035	
890-9669-15	H - 15 (0-0.5')	Total/NA	Solid	5035	
MB 880-135270/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-135270/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-135270/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9632-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-9632-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 135448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9669-1	H - 1 (0-0.5')	Total/NA	Solid	Total BTEX	
890-9669-2	H - 2 (0-0.5')	Total/NA	Solid	Total BTEX	
890-9669-3	H - 3 (0-0.5')	Total/NA	Solid	Total BTEX	
890-9669-4	H - 4 (0-0.5')	Total/NA	Solid	Total BTEX	
890-9669-5	H - 5 (0-0.5')	Total/NA	Solid	Total BTEX	
890-9669-6	H - 6 (0-0.5')	Total/NA	Solid	Total BTEX	
890-9669-7	H - 7 (0-0.5')	Total/NA	Solid	Total BTEX	
890-9669-8	H - 8 (0-0.5')	Total/NA	Solid	Total BTEX	
890-9669-9	H - 9 (0-0.5')	Total/NA	Solid	Total BTEX	
890-9669-10	H - 10 (0-0.5')	Total/NA	Solid	Total BTEX	
890-9669-11	H - 11 (0-0.5')	Total/NA	Solid	Total BTEX	
890-9669-12	H - 12 (0-0.5')	Total/NA	Solid	Total BTEX	
890-9669-13	H - 13 (0-0.5')	Total/NA	Solid	Total BTEX	
890-9669-14	H - 14 (0-0.5')	Total/NA	Solid	Total BTEX	
890-9669-15	H - 15 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 135249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9669-1	H - 1 (0-0.5')	Total/NA	Solid	8015NM Prep	
890-9669-2	H - 2 (0-0.5')	Total/NA	Solid	8015NM Prep	
890-9669-3	H - 3 (0-0.5')	Total/NA	Solid	8015NM Prep	
890-9669-4	H - 4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-135249/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-135249/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-135249/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-69670-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-69670-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 135250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9669-5	H - 5 (0-0.5')	Total/NA	Solid	8015NM Prep	
890-9669-6	H - 6 (0-0.5')	Total/NA	Solid	8015NM Prep	
890-9669-7	H - 7 (0-0.5')	Total/NA	Solid	8015NM Prep	
890-9669-8	H - 8 (0-0.5')	Total/NA	Solid	8015NM Prep	
890-9669-9	H - 9 (0-0.5')	Total/NA	Solid	8015NM Prep	
890-9669-10	H - 10 (0-0.5')	Total/NA	Solid	8015NM Prep	
890-9669-11	H - 11 (0-0.5')	Total/NA	Solid	8015NM Prep	
890-9669-12	H - 12 (0-0.5')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Prep Batch: 135250 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9669-13	H - 13 (0-0.5')	Total/NA	Solid	8015NM Prep	
890-9669-14	H - 14 (0-0.5')	Total/NA	Solid	8015NM Prep	
890-9669-15	H - 15 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-135250/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-135250/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-135250/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9669-5 MS	H - 5 (0-0.5')	Total/NA	Solid	8015NM Prep	
890-9669-5 MSD	H - 5 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 135373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9669-5	H - 5 (0-0.5')	Total/NA	Solid	8015B NM	135250
890-9669-6	H - 6 (0-0.5')	Total/NA	Solid	8015B NM	135250
890-9669-7	H - 7 (0-0.5')	Total/NA	Solid	8015B NM	135250
890-9669-8	H - 8 (0-0.5')	Total/NA	Solid	8015B NM	135250
890-9669-9	H - 9 (0-0.5')	Total/NA	Solid	8015B NM	135250
890-9669-10	H - 10 (0-0.5')	Total/NA	Solid	8015B NM	135250
890-9669-11	H - 11 (0-0.5')	Total/NA	Solid	8015B NM	135250
890-9669-12	H - 12 (0-0.5')	Total/NA	Solid	8015B NM	135250
890-9669-13	H - 13 (0-0.5')	Total/NA	Solid	8015B NM	135250
890-9669-14	H - 14 (0-0.5')	Total/NA	Solid	8015B NM	135250
890-9669-15	H - 15 (0-0.5')	Total/NA	Solid	8015B NM	135250
MB 880-135250/1-A	Method Blank	Total/NA	Solid	8015B NM	135250
LCS 880-135250/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	135250
LCSD 880-135250/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	135250
890-9669-5 MS	H - 5 (0-0.5')	Total/NA	Solid	8015B NM	135250
890-9669-5 MSD	H - 5 (0-0.5')	Total/NA	Solid	8015B NM	135250

Analysis Batch: 135376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9669-1	H - 1 (0-0.5')	Total/NA	Solid	8015B NM	135249
890-9669-2	H - 2 (0-0.5')	Total/NA	Solid	8015B NM	135249
890-9669-3	H - 3 (0-0.5')	Total/NA	Solid	8015B NM	135249
890-9669-4	H - 4 (0-0.5')	Total/NA	Solid	8015B NM	135249
MB 880-135249/1-A	Method Blank	Total/NA	Solid	8015B NM	135249
LCS 880-135249/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	135249
LCSD 880-135249/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	135249
880-69670-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	135249
880-69670-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	135249

Analysis Batch: 135491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9669-1	H - 1 (0-0.5')	Total/NA	Solid	8015 NM	
890-9669-2	H - 2 (0-0.5')	Total/NA	Solid	8015 NM	
890-9669-3	H - 3 (0-0.5')	Total/NA	Solid	8015 NM	
890-9669-4	H - 4 (0-0.5')	Total/NA	Solid	8015 NM	
890-9669-5	H - 5 (0-0.5')	Total/NA	Solid	8015 NM	
890-9669-6	H - 6 (0-0.5')	Total/NA	Solid	8015 NM	
890-9669-7	H - 7 (0-0.5')	Total/NA	Solid	8015 NM	
890-9669-8	H - 8 (0-0.5')	Total/NA	Solid	8015 NM	
890-9669-9	H - 9 (0-0.5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 135491 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9669-10	H - 10 (0-0.5')	Total/NA	Solid	8015 NM	
890-9669-11	H - 11 (0-0.5')	Total/NA	Solid	8015 NM	
890-9669-12	H - 12 (0-0.5')	Total/NA	Solid	8015 NM	
890-9669-13	H - 13 (0-0.5')	Total/NA	Solid	8015 NM	
890-9669-14	H - 14 (0-0.5')	Total/NA	Solid	8015 NM	
890-9669-15	H - 15 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 135264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9669-1	H - 1 (0-0.5')	Soluble	Solid	DI Leach	
890-9669-2	H - 2 (0-0.5')	Soluble	Solid	DI Leach	
890-9669-3	H - 3 (0-0.5')	Soluble	Solid	DI Leach	
890-9669-4	H - 4 (0-0.5')	Soluble	Solid	DI Leach	
890-9669-5	H - 5 (0-0.5')	Soluble	Solid	DI Leach	
890-9669-6	H - 6 (0-0.5')	Soluble	Solid	DI Leach	
890-9669-7	H - 7 (0-0.5')	Soluble	Solid	DI Leach	
890-9669-8	H - 8 (0-0.5')	Soluble	Solid	DI Leach	
890-9669-9	H - 9 (0-0.5')	Soluble	Solid	DI Leach	
890-9669-10	H - 10 (0-0.5')	Soluble	Solid	DI Leach	
890-9669-11	H - 11 (0-0.5')	Soluble	Solid	DI Leach	
890-9669-12	H - 12 (0-0.5')	Soluble	Solid	DI Leach	
890-9669-13	H - 13 (0-0.5')	Soluble	Solid	DI Leach	
890-9669-14	H - 14 (0-0.5')	Soluble	Solid	DI Leach	
890-9669-15	H - 15 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-135264/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-135264/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-135264/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9669-1 MS	H - 1 (0-0.5')	Soluble	Solid	DI Leach	
890-9669-1 MSD	H - 1 (0-0.5')	Soluble	Solid	DI Leach	
890-9669-11 MS	H - 11 (0-0.5')	Soluble	Solid	DI Leach	
890-9669-11 MSD	H - 11 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 135286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9669-1	H - 1 (0-0.5')	Soluble	Solid	300.0	135264
890-9669-2	H - 2 (0-0.5')	Soluble	Solid	300.0	135264
890-9669-3	H - 3 (0-0.5')	Soluble	Solid	300.0	135264
890-9669-4	H - 4 (0-0.5')	Soluble	Solid	300.0	135264
890-9669-5	H - 5 (0-0.5')	Soluble	Solid	300.0	135264
890-9669-6	H - 6 (0-0.5')	Soluble	Solid	300.0	135264
890-9669-7	H - 7 (0-0.5')	Soluble	Solid	300.0	135264
890-9669-8	H - 8 (0-0.5')	Soluble	Solid	300.0	135264
890-9669-9	H - 9 (0-0.5')	Soluble	Solid	300.0	135264
890-9669-10	H - 10 (0-0.5')	Soluble	Solid	300.0	135264
890-9669-11	H - 11 (0-0.5')	Soluble	Solid	300.0	135264
890-9669-12	H - 12 (0-0.5')	Soluble	Solid	300.0	135264
890-9669-13	H - 13 (0-0.5')	Soluble	Solid	300.0	135264
890-9669-14	H - 14 (0-0.5')	Soluble	Solid	300.0	135264
890-9669-15	H - 15 (0-0.5')	Soluble	Solid	300.0	135264

QC Association Summary

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

HPLC/IC (Continued)

Analysis Batch: 135286 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-135264/1-A	Method Blank	Soluble	Solid	300.0	135264
LCS 880-135264/2-A	Lab Control Sample	Soluble	Solid	300.0	135264
LCSD 880-135264/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	135264
890-9669-1 MS	H - 1 (0-0.5')	Soluble	Solid	300.0	135264
890-9669-1 MSD	H - 1 (0-0.5')	Soluble	Solid	300.0	135264
890-9669-11 MS	H - 11 (0-0.5')	Soluble	Solid	300.0	135264
890-9669-11 MSD	H - 11 (0-0.5')	Soluble	Solid	300.0	135264

Lab Chronicle

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

Client Sample ID: H - 1 (0-0.5')
Lab Sample ID: 890-9669-1
Date Collected: 03/17/26 00:00
Matrix: Solid
Date Received: 03/17/26 14:56

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	135231	03/18/26 07:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135236	03/18/26 16:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135448	03/18/26 16:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			135491	03/19/26 23:26	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	135249	03/18/26 09:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135376	03/19/26 23:26	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	135264	03/18/26 10:25	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135286	03/18/26 20:33	CS	EET MID

Client Sample ID: H - 2 (0-0.5')
Lab Sample ID: 890-9669-2
Date Collected: 03/17/26 00:00
Matrix: Solid
Date Received: 03/17/26 14:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	135231	03/18/26 07:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135236	03/18/26 16:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135448	03/18/26 16:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			135491	03/19/26 23:41	SA	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10.00 mL	135249	03/18/26 09:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135376	03/19/26 23:41	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	135264	03/18/26 10:25	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135286	03/18/26 20:53	CS	EET MID

Client Sample ID: H - 3 (0-0.5')
Lab Sample ID: 890-9669-3
Date Collected: 03/17/26 00:00
Matrix: Solid
Date Received: 03/17/26 14:56

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	135231	03/18/26 07:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135236	03/18/26 16:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135448	03/18/26 16:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			135491	03/19/26 23:56	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10.00 mL	135249	03/18/26 09:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135376	03/19/26 23:56	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	135264	03/18/26 10:25	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135286	03/18/26 21:00	CS	EET MID

Client Sample ID: H - 4 (0-0.5')
Lab Sample ID: 890-9669-4
Date Collected: 03/17/26 00:00
Matrix: Solid
Date Received: 03/17/26 14:56

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	135231	03/18/26 07:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135236	03/18/26 17:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135448	03/18/26 17:06	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

Client Sample ID: H - 4 (0-0.5')

Lab Sample ID: 890-9669-4
Date Collected: 03/17/26 00:00
Matrix: Solid
Date Received: 03/17/26 14:56

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			135491	03/20/26 00:12	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	135249	03/18/26 09:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135376	03/20/26 00:12	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	135264	03/18/26 10:25	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135286	03/18/26 21:06	CS	EET MID

Client Sample ID: H - 5 (0-0.5')

Lab Sample ID: 890-9669-5
Date Collected: 03/17/26 00:00
Matrix: Solid
Date Received: 03/17/26 14:56

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	135231	03/18/26 07:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135236	03/18/26 17:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135448	03/18/26 17:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			135491	03/19/26 18:40	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135250	03/18/26 09:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135373	03/19/26 18:40	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	135264	03/18/26 10:25	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135286	03/18/26 21:13	CS	EET MID

Client Sample ID: H - 6 (0-0.5')

Lab Sample ID: 890-9669-6
Date Collected: 03/17/26 00:00
Matrix: Solid
Date Received: 03/17/26 14:56

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	135231	03/18/26 07:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135236	03/18/26 17:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135448	03/18/26 17:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			135491	03/19/26 19:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	135250	03/18/26 09:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135373	03/19/26 19:24	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	135264	03/18/26 10:25	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135286	03/18/26 21:33	CS	EET MID

Client Sample ID: H - 7 (0-0.5')

Lab Sample ID: 890-9669-7
Date Collected: 03/17/26 00:00
Matrix: Solid
Date Received: 03/17/26 14:56

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	135231	03/18/26 07:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135236	03/18/26 18:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135448	03/18/26 18:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			135491	03/19/26 19:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	135250	03/18/26 09:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135373	03/19/26 19:39	FC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

Client Sample ID: H - 7 (0-0.5')

Lab Sample ID: 890-9669-7
Matrix: Solid
Date Collected: 03/17/26 00:00
Date Received: 03/17/26 14:56

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	135264	03/18/26 10:25	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135286	03/18/26 21:40	CS	EET MID

Client Sample ID: H - 8 (0-0.5')

Lab Sample ID: 890-9669-8
Matrix: Solid
Date Collected: 03/17/26 00:00
Date Received: 03/17/26 14:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	135231	03/18/26 07:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135236	03/18/26 18:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135448	03/18/26 18:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			135491	03/19/26 19:54	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	135250	03/18/26 09:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135373	03/19/26 19:54	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	135264	03/18/26 10:25	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135286	03/18/26 21:46	CS	EET MID

Client Sample ID: H - 9 (0-0.5')

Lab Sample ID: 890-9669-9
Matrix: Solid
Date Collected: 03/17/26 00:00
Date Received: 03/17/26 14:56

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	135231	03/18/26 07:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135236	03/18/26 18:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135448	03/18/26 18:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			135491	03/19/26 20:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	135250	03/18/26 09:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135373	03/19/26 20:09	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	135264	03/18/26 10:25	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135286	03/19/26 09:57	CS	EET MID

Client Sample ID: H - 10 (0-0.5')

Lab Sample ID: 890-9669-10
Matrix: Solid
Date Collected: 03/17/26 00:00
Date Received: 03/17/26 14:56

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	135231	03/18/26 07:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135236	03/18/26 19:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135448	03/18/26 19:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			135491	03/19/26 20:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135250	03/18/26 09:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135373	03/19/26 20:24	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	135264	03/18/26 10:25	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135286	03/18/26 21:54	CS	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

Client Sample ID: H - 11 (0-0.5')

Lab Sample ID: 890-9669-11
Matrix: Solid
Date Collected: 03/17/26 00:00
Date Received: 03/17/26 14:56

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	135270	03/18/26 10:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135248	03/18/26 19:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135448	03/18/26 19:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			135491	03/19/26 20:40	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	135250	03/18/26 09:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135373	03/19/26 20:40	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	135264	03/18/26 10:25	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135286	03/18/26 22:01	CS	EET MID

Client Sample ID: H - 12 (0-0.5')

Lab Sample ID: 890-9669-12
Matrix: Solid
Date Collected: 03/17/26 00:00
Date Received: 03/17/26 14:56

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	135270	03/18/26 10:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135248	03/18/26 20:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135448	03/18/26 20:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			135491	03/19/26 20:55	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	135250	03/18/26 09:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135373	03/19/26 20:55	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	135264	03/18/26 10:25	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135286	03/18/26 22:21	CS	EET MID

Client Sample ID: H - 13 (0-0.5')

Lab Sample ID: 890-9669-13
Matrix: Solid
Date Collected: 03/17/26 00:00
Date Received: 03/17/26 14:56

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	135270	03/18/26 10:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135248	03/18/26 20:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135448	03/18/26 20:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			135491	03/19/26 21:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135250	03/18/26 09:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135373	03/19/26 21:10	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	135264	03/18/26 10:25	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135286	03/18/26 22:27	CS	EET MID

Client Sample ID: H - 14 (0-0.5')

Lab Sample ID: 890-9669-14
Matrix: Solid
Date Collected: 03/17/26 00:00
Date Received: 03/17/26 14:56

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	135270	03/18/26 10:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135248	03/18/26 20:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135448	03/18/26 20:57	SA	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

Client Sample ID: H - 14 (0-0.5')

Lab Sample ID: 890-9669-14
Matrix: Solid
Date Collected: 03/17/26 00:00
Date Received: 03/17/26 14:56

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			135491	03/19/26 21:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	135250	03/18/26 09:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135373	03/19/26 21:25	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	135264	03/18/26 10:25	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135286	03/18/26 22:47	CS	EET MID

Client Sample ID: H - 15 (0-0.5')

Lab Sample ID: 890-9669-15
Matrix: Solid
Date Collected: 03/17/26 00:00
Date Received: 03/17/26 14:56

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	135270	03/18/26 10:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135248	03/18/26 21:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135448	03/18/26 21:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			135491	03/19/26 21:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	135250	03/18/26 09:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135373	03/19/26 21:56	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	135264	03/18/26 10:25	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135286	03/18/26 22:54	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 890-9669-1
Project/Site: MATADOR GAVALON (03.13.2026)
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

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: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: MATADOR GAVALON (03.13.2026)

Job ID: 890-9669-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
890-9669-1	H - 1 (0-0.5')	Solid	03/17/26 00:00	03/17/26 14:56	New Mexico
890-9669-2	H - 2 (0-0.5')	Solid	03/17/26 00:00	03/17/26 14:56	New Mexico
890-9669-3	H - 3 (0-0.5')	Solid	03/17/26 00:00	03/17/26 14:56	New Mexico
890-9669-4	H - 4 (0-0.5')	Solid	03/17/26 00:00	03/17/26 14:56	New Mexico
890-9669-5	H - 5 (0-0.5')	Solid	03/17/26 00:00	03/17/26 14:56	New Mexico
890-9669-6	H - 6 (0-0.5')	Solid	03/17/26 00:00	03/17/26 14:56	New Mexico
890-9669-7	H - 7 (0-0.5')	Solid	03/17/26 00:00	03/17/26 14:56	New Mexico
890-9669-8	H - 8 (0-0.5')	Solid	03/17/26 00:00	03/17/26 14:56	New Mexico
890-9669-9	H - 9 (0-0.5')	Solid	03/17/26 00:00	03/17/26 14:56	New Mexico
890-9669-10	H - 10 (0-0.5')	Solid	03/17/26 00:00	03/17/26 14:56	New Mexico
890-9669-11	H - 11 (0-0.5')	Solid	03/17/26 00:00	03/17/26 14:56	New Mexico
890-9669-12	H - 12 (0-0.5')	Solid	03/17/26 00:00	03/17/26 14:56	New Mexico
890-9669-13	H - 13 (0-0.5')	Solid	03/17/26 00:00	03/17/26 14:56	New Mexico
890-9669-14	H - 14 (0-0.5')	Solid	03/17/26 00:00	03/17/26 14:56	New Mexico
890-9669-15	H - 15 (0-0.5')	Solid	03/17/26 00:00	03/17/26 14:56	New Mexico

Released to Imaging: 6/25/2026 8:46:47 AM
Received by OCD: 6/17/2026 9:45:35 AM

Chain of Custody

Work Order No: _____

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	72 HR
Sampler's Name:	KR		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No		Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:		TM1007
Cooler Custody Seals:	Yes No N/A	Correction Factor:		-0.7
Sample Custody Seals:	Yes No N/A	Temperature Reading:		4.0
Total Containers:		Corrected Temperature:		3.8

ANALYSIS REQUEST

890-9669 Chain of Custody

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
H-1 (0-0.5')	3/17/2026		X		Grab	1		X	X	X		
H-2 (0-0.5')	3/17/2026		X		Grab	1		X	X	X		
H-3 (0-0.5')	3/17/2026		X		Grab	1		X	X	X		
H-4 (0-0.5')	3/17/2026		X		Grab	1		X	X	X		
H-5 (0-0.5')	3/17/2026		X		Grab	1		X	X	X		
H-6 (0-0.5')	3/17/2026		X		Grab	1		X	X	X		
H-7 (0-0.5')	3/17/2026		X		Grab	1		X	X	X		
H-8 (0-0.5')	3/17/2026		X		Grab	1		X	X	X		
H-9 (0-0.5')	3/17/2026		X		Grab	1		X	X	X		
H-10 (0-0.5')	3/17/2026		X		Grab	1		X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			14:56 3/17

3/20/2026

Released to Imaging: 6/25/2026 8:46:47 AM
Received by OCD: 6/17/2026 9:45:35 AM

Chain of Custody

Work Order No: _____

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	☐ Routine ☑ Rush
Project Number:	3202	Due Date:	72 HR
Project Location	Lea County, New Mexico		
Sampler's Name:	KR		
PO #:			

SAMPLE RECEIPT	Temp Blank: Yes (No)	Wet Ice: (Yes) No	
Received Intact:	(Yes) No	Thermometer ID:	TN meter 7
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.0
Total Containers:		Corrected Temperature:	3.8

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
H-11 (0-0.5')	3/17/2026		X		Grab	1		X	X	X		
H-12 (0-0.5')	3/17/2026		X		Grab	1		X	X	X		
H-13 (0-0.5')	3/17/2026		X		Grab	1		X	X	X		
H-14 (0-0.5')	3/17/2026		X		Grab	1		X	X	X		
H-15 (0-0.5')	3/17/2026		X		Grab	1		X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			14:56 3/17

Page 114 of 957

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Kramer, Jessica	Carrier Tracking No(s): N/A	COC No: 890-6689.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-9669-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 3/20/2026			
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: MATADOR GAVALON (03.13.2026)	Project #: 89000237			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/5035FP_CalcBTEX	Total_BTEX_GCV	8015MOD_Calc	8015MOD_NM/8015NM_S_PrepFull TPH	300_ORGFM_28D/DI_LEACHChloride	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
H - 1 (0-0.5') (890-9669-1)	3/17/26	Mountain	G	Solid			X	X	X	X	X	1	
H - 2 (0-0.5') (890-9669-2)	3/17/26	Mountain	G	Solid			X	X	X	X	X	1	
H - 3 (0-0.5') (890-9669-3)	3/17/26	Mountain	G	Solid			X	X	X	X	X	1	
H - 4 (0-0.5') (890-9669-4)	3/17/26	Mountain	G	Solid			X	X	X	X	X	1	
H - 5 (0-0.5') (890-9669-5)	3/17/26	Mountain	G	Solid			X	X	X	X	X	1	
H - 6 (0-0.5') (890-9669-6)	3/17/26	Mountain	G	Solid			X	X	X	X	X	1	
H - 7 (0-0.5') (890-9669-7)	3/17/26	Mountain	G	Solid			X	X	X	X	X	1	
H - 8 (0-0.5') (890-9669-8)	3/17/26	Mountain	G	Solid			X	X	X	X	X	1	
H - 9 (0-0.5') (890-9669-9)	3/17/26	Mountain	G	Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		3/17 1630			3-18-26 800	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Received by OCD: 6/17/2026 9:45:35 AM
Released to Imaging: 6/25/2026 8:46:47 AM
3/20/2026
Page 42 of 45

Page 115 of 957

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Kramer, Jessica	Carrier Tracking No(s): N/A	COC No: 890-6689.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 2 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-9669-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 3/20/2026			
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: MATADOR GAVALON (03.13.2026)	Project #: 89000237			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/5035FP_CalcBTEX	Total_BTEX_GCV	8015MOD_Calc	8015MOD_NM/8015NM_S_PrepFull TPH	300_ORGFM_28D/DI_LEACHChloride	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
H - 10 (0-0.5') (890-9669-10)	3/17/26	Mountain	G	Solid			X	X	X	X	X	1	
H - 11 (0-0.5') (890-9669-11)	3/17/26	Mountain	G	Solid			X	X	X	X	X	1	
H - 12 (0-0.5') (890-9669-12)	3/17/26	Mountain	G	Solid			X	X	X	X	X	1	
H - 13 (0-0.5') (890-9669-13)	3/17/26	Mountain	G	Solid			X	X	X	X	X	1	
H - 14 (0-0.5') (890-9669-14)	3/17/26	Mountain	G	Solid			X	X	X	X	X	1	
H - 15 (0-0.5') (890-9669-15)	3/17/26	Mountain	G	Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Received by OCD: 6/17/2026 9:45:35 AM
Released to Imaging: 6/25/2026 8:46:47 AM
3/20/2026
Page 43 of 45

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-9669-1
SDG Number: Lea County New Mexico

Login Number: 9669
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
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	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-9669-1
SDG Number: Lea County New Mexico

Login Number: 9669
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 03/18/26 09:23 AM

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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/11/2026 4:18:05 PM

JOB DESCRIPTION

Matador Gavalon (03.13.2026)
Lea County New Mexico

JOB NUMBER

880-73486-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 6/23/2026 8:46:47 AM

my EOL

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
6/11/2026 4:18:05 PM

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

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Laboratory Job ID: 880-73486-1
SDG: Lea County New Mexico

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 9
QC Sample Results 10
QC Association Summary 14
Lab Chronicle 16
Certification Summary 17
Method Summary 18
Sample Summary 19
Chain of Custody 20
Receipt Checklists 21

Definitions/Glossary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73486-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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: Matador Gavalon (03.13.2026)

Job ID: 880-73486-1

Job ID: 880-73486-1 Eurofins Midland

Job Narrative
880-73486-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 6/10/2026 5:16 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 -2.6°C.

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: H-16 (0-0.5') (880-73486-1). Evidence of matrix interferences is not obvious.

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

Diesel Range Organics
Method 8015B NM: Surrogate recovery for the following samples were outside control limits: H-16 (0-0.5') (880-73486-1), H-17 (0-0.5') (880-73486-2) and H-4A (0-0.5') (880-73486-3). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (880-73486-A-1-H MS) and (880-73486-A-1-I MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (MB 880-143167/1-A). 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
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73486-1
SDG: Lea County New Mexico

Client Sample ID: H-16 (0-0.5')

Lab Sample ID: 880-73486-1
Matrix: Solid
Date Collected: 06/08/26 13:08
Date Received: 06/10/26 17:16

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		06/11/26 08:46	06/11/26 11:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/11/26 08:46	06/11/26 11:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/11/26 08:46	06/11/26 11:17	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		06/11/26 08:46	06/11/26 11:17	1
o-Xylene	**0.00333**		0.00200		mg/Kg		06/11/26 08:46	06/11/26 11:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/11/26 08:46	06/11/26 11:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*66*	*S1-*	*70 - 130*	*06/11/26 08:46*	*06/11/26 11:17*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*06/11/26 08:46*	*06/11/26 11:17*	*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			06/11/26 11:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/11/26 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/10/26 17:22	06/11/26 11:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/10/26 17:22	06/11/26 11:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/10/26 17:22	06/11/26 11:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*146*	*S1+*	*70 - 130*	*06/10/26 17:22*	*06/11/26 11:01*	*1*
o-Terphenyl (Surr)	*150*	*S1+*	*70 - 130*	*06/10/26 17:22*	*06/11/26 11:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			06/11/26 09:44	1

Client Sample ID: H-17 (0-0.5')

Lab Sample ID: 880-73486-2
Matrix: Solid
Date Collected: 06/08/26 13:10
Date Received: 06/10/26 17:16

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		06/11/26 08:46	06/11/26 11:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/11/26 08:46	06/11/26 11:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/11/26 08:46	06/11/26 11:37	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		06/11/26 08:46	06/11/26 11:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/11/26 08:46	06/11/26 11:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/11/26 08:46	06/11/26 11:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/11/26 08:46*	*06/11/26 11:37*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/11/26 08:46*	*06/11/26 11:37*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73486-1
SDG: Lea County New Mexico

Client Sample ID: H-17 (0-0.5')

Lab Sample ID: 880-73486-2
Matrix: Solid
Date Collected: 06/08/26 13:10
Date Received: 06/10/26 17:16

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			06/11/26 11:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/11/26 11:47	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	<49.9	U	49.9		mg/Kg		06/10/26 17:22	06/11/26 11:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/10/26 17:22	06/11/26 11:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/10/26 17:22	06/11/26 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*142*	*S1+*	*70 - 130*	*06/10/26 17:22*	*06/11/26 11:47*	*1*
o-Terphenyl (Surr)	*147*	*S1+*	*70 - 130*	*06/10/26 17:22*	*06/11/26 11:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			06/11/26 09:59	1

Client Sample ID: H-4A (0-0.5')

Lab Sample ID: 880-73486-3
Matrix: Solid
Date Collected: 06/08/26 13:12
Date Received: 06/10/26 17:16

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		06/11/26 08:46	06/11/26 11:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/11/26 08:46	06/11/26 11:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/11/26 08:46	06/11/26 11:58	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		06/11/26 08:46	06/11/26 11:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/11/26 08:46	06/11/26 11:58	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/11/26 08:46	06/11/26 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*06/11/26 08:46*	*06/11/26 11:58*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*06/11/26 08:46*	*06/11/26 11:58*	*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			06/11/26 11:58	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			06/11/26 12:02	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		06/10/26 17:22	06/11/26 12:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/10/26 17:22	06/11/26 12:02	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73486-1
SDG: Lea County New Mexico

Client Sample ID: H-4A (0-0.5')

Date Collected: 06/08/26 13:12
Date Received: 06/10/26 17:16

Lab Sample ID: 880-73486-3

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		06/10/26 17:22	06/11/26 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*141*	*S1+*	*70 - 130*	*06/10/26 17:22*	*06/11/26 12:02*	*1*
o-Terphenyl (Surr)	*148*	*S1+*	*70 - 130*	*06/10/26 17:22*	*06/11/26 12:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			06/11/26 10:04	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73486-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-73486-1	H-16 (0-0.5')	66 S1-	110
880-73486-1 MS	H-16 (0-0.5')	113	99
880-73486-1 MSD	H-16 (0-0.5')	85	3 S1-
880-73486-2	H-17 (0-0.5')	107	97
880-73486-3	H-4A (0-0.5')	94	89
LCS 880-143203/1-A	Lab Control Sample	108	101
LCSD 880-143203/2-A	Lab Control Sample Dup	106	98
MB 880-143203/5-A	Method Blank	103	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 (70-130)	OTPH1 (70-130)
880-73486-1	H-16 (0-0.5')	146 S1+	150 S1+
880-73486-1 MS	H-16 (0-0.5')	138 S1+	147 S1+
880-73486-1 MSD	H-16 (0-0.5')	139 S1+	147 S1+
880-73486-2	H-17 (0-0.5')	142 S1+	147 S1+
880-73486-3	H-4A (0-0.5')	141 S1+	148 S1+
LCS 880-143167/2-A	Lab Control Sample	104	112
LCSD 880-143167/3-A	Lab Control Sample Dup	99	109
MB 880-143167/1-A	Method Blank	129	131 S1+

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73486-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-143203/5-A
Matrix: Solid
Analysis Batch: 143197

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 143203

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/11/26 08:46	06/11/26 10:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/11/26 08:46	06/11/26 10:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/11/26 08:46	06/11/26 10:55	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		06/11/26 08:46	06/11/26 10:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/11/26 08:46	06/11/26 10:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/11/26 08:46	06/11/26 10:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*06/11/26 08:46*	*06/11/26 10:55*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*06/11/26 08:46*	*06/11/26 10:55*	*1*

Lab Sample ID: LCS 880-143203/1-A
Matrix: Solid
Analysis Batch: 143197

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 143203

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09323		mg/Kg		93	70 - 130
Toluene	0.100	0.1018		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1035		mg/Kg		104	70 - 130
m,p-Xylenes	0.200	0.2232		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1155		mg/Kg		115	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-143203/2-A
Matrix: Solid
Analysis Batch: 143197

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 143203

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08157		mg/Kg		82	70 - 130	13	35
Toluene	0.100	0.08741		mg/Kg		87	70 - 130	15	35
Ethylbenzene	0.100	0.09110		mg/Kg		91	70 - 130	13	35
m,p-Xylenes	0.200	0.1945		mg/Kg		97	70 - 130	14	35
o-Xylene	0.100	0.1012		mg/Kg		101	70 - 130	13	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-73486-1 MS
Matrix: Solid
Analysis Batch: 143197

Client Sample ID: H-16 (0-0.5')
Prep Type: Total/NA
Prep Batch: 143203

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08847		mg/Kg		88	70 - 130
Toluene	<0.00200	U	0.100	0.09360		mg/Kg		94	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73486-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-73486-1 MS — **Client Sample ID: H-16 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 143197 — **Prep Batch: 143203**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09507		mg/Kg		95	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.2032		mg/Kg		100	70 - 130
o-Xylene	0.00333		0.100	0.1029		mg/Kg		100	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-73486-1 MSD — **Client Sample ID: H-16 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 143197 — **Prep Batch: 143203**

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	0.08609		mg/Kg		86	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.09498		mg/Kg		95	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.09522		mg/Kg		95	70 - 130	0	35
m,p-Xylenes	<0.00399	U	0.200	0.1779		mg/Kg		88	70 - 130	13	35
o-Xylene	0.00333		0.100	0.08586		mg/Kg		83	70 - 130	18	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*
1,4-Difluorobenzene (Surr)	*3*	*S1-*	*70 - 130*

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

Lab Sample ID: MB 880-143167/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 143261 — **Prep Batch: 143167**

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		06/10/26 17:22	06/11/26 08:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/10/26 17:22	06/11/26 08:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/26 17:22	06/11/26 08:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*129*		*70 - 130*	*06/10/26 17:22*	*06/11/26 08:14*	*1*
o-Terphenyl (Surr)	*131*	*S1+*	*70 - 130*	*06/10/26 17:22*	*06/11/26 08:14*	*1*

Lab Sample ID: LCS 880-143167/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 143261 — **Prep Batch: 143167**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1016		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1112		mg/Kg		111	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73486-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-143167/2-A
Matrix: Solid
Analysis Batch: 143261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 143167

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	104		70 - 130
o-Terphenyl (Surr)	112		70 - 130

Lab Sample ID: LCSD 880-143167/3-A
Matrix: Solid
Analysis Batch: 143261

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 143167

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	960.4		mg/Kg		96	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	1065		mg/Kg		107	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	99		70 - 130
o-Terphenyl (Surr)	109		70 - 130

Lab Sample ID: 880-73486-1 MS
Matrix: Solid
Analysis Batch: 143261

Client Sample ID: H-16 (0-0.5')
Prep Type: Total/NA
Prep Batch: 143167

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	1000	1091		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1156		mg/Kg		116	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	138	S1+	70 - 130
o-Terphenyl (Surr)	147	S1+	70 - 130

Lab Sample ID: 880-73486-1 MSD
Matrix: Solid
Analysis Batch: 143261

Client Sample ID: H-16 (0-0.5')
Prep Type: Total/NA
Prep Batch: 143167

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	1000	1094		mg/Kg		107	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1155		mg/Kg		116	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	139	S1+	70 - 130
o-Terphenyl (Surr)	147	S1+	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73486-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-143193/1-A
Matrix: Solid
Analysis Batch: 143205

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			06/11/26 08:59	1

Lab Sample ID: LCS 880-143193/2-A
Matrix: Solid
Analysis Batch: 143205

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	251.6		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-143193/3-A
Matrix: Solid
Analysis Batch: 143205

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	248.5		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 890-10071-A-1-I MS
Matrix: Solid
Analysis Batch: 143205

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	235		252	486.2		mg/Kg		100	90 - 110		

Lab Sample ID: 890-10071-A-1-J MSD
Matrix: Solid
Analysis Batch: 143205

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	235		252	478.9		mg/Kg		97	90 - 110	2	20

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73486-1
SDG: Lea County New Mexico

GC VOA

Analysis Batch: 143197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73486-1	H-16 (0-0.5')	Total/NA	Solid	8021B	143203
880-73486-2	H-17 (0-0.5')	Total/NA	Solid	8021B	143203
880-73486-3	H-4A (0-0.5')	Total/NA	Solid	8021B	143203
MB 880-143203/5-A	Method Blank	Total/NA	Solid	8021B	143203
LCS 880-143203/1-A	Lab Control Sample	Total/NA	Solid	8021B	143203
LCSD 880-143203/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	143203
880-73486-1 MS	H-16 (0-0.5')	Total/NA	Solid	8021B	143203
880-73486-1 MSD	H-16 (0-0.5')	Total/NA	Solid	8021B	143203

Prep Batch: 143203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73486-1	H-16 (0-0.5')	Total/NA	Solid	5035	
880-73486-2	H-17 (0-0.5')	Total/NA	Solid	5035	
880-73486-3	H-4A (0-0.5')	Total/NA	Solid	5035	
MB 880-143203/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-143203/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-143203/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-73486-1 MS	H-16 (0-0.5')	Total/NA	Solid	5035	
880-73486-1 MSD	H-16 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 143300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73486-1	H-16 (0-0.5')	Total/NA	Solid	Total BTEX	
880-73486-2	H-17 (0-0.5')	Total/NA	Solid	Total BTEX	
880-73486-3	H-4A (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 143167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73486-1	H-16 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-73486-2	H-17 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-73486-3	H-4A (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-143167/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-143167/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-143167/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-73486-1 MS	H-16 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-73486-1 MSD	H-16 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 143261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73486-1	H-16 (0-0.5')	Total/NA	Solid	8015B NM	143167
880-73486-2	H-17 (0-0.5')	Total/NA	Solid	8015B NM	143167
880-73486-3	H-4A (0-0.5')	Total/NA	Solid	8015B NM	143167
MB 880-143167/1-A	Method Blank	Total/NA	Solid	8015B NM	143167
LCS 880-143167/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	143167
LCSD 880-143167/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	143167
880-73486-1 MS	H-16 (0-0.5')	Total/NA	Solid	8015B NM	143167
880-73486-1 MSD	H-16 (0-0.5')	Total/NA	Solid	8015B NM	143167

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73486-1
SDG: Lea County New Mexico

GC Semi VOA

Analysis Batch: 143304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73486-1	H-16 (0-0.5')	Total/NA	Solid	8015 NM	
880-73486-2	H-17 (0-0.5')	Total/NA	Solid	8015 NM	
880-73486-3	H-4A (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 143193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73486-1	H-16 (0-0.5')	Soluble	Solid	DI Leach	
880-73486-2	H-17 (0-0.5')	Soluble	Solid	DI Leach	
880-73486-3	H-4A (0-0.5')	Soluble	Solid	DI Leach	
MB 880-143193/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-143193/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-143193/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-10071-A-1-I MS	Matrix Spike	Soluble	Solid	DI Leach	
890-10071-A-1-J MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 143205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73486-1	H-16 (0-0.5')	Soluble	Solid	300.0	143193
880-73486-2	H-17 (0-0.5')	Soluble	Solid	300.0	143193
880-73486-3	H-4A (0-0.5')	Soluble	Solid	300.0	143193
MB 880-143193/1-A	Method Blank	Soluble	Solid	300.0	143193
LCS 880-143193/2-A	Lab Control Sample	Soluble	Solid	300.0	143193
LCSD 880-143193/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	143193
890-10071-A-1-I MS	Matrix Spike	Soluble	Solid	300.0	143193
890-10071-A-1-J MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	143193

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73486-1
SDG: Lea County New Mexico

Client Sample ID: H-16 (0-0.5')

Lab Sample ID: 880-73486-1

Date Collected: 06/08/26 13:08
Matrix: Solid
Date Received: 06/10/26 17:16

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	143203	06/11/26 08:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	143197	06/11/26 11:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			143300	06/11/26 11:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			143304	06/11/26 11:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	143167	06/10/26 17:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	143261	06/11/26 11:01	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	143193	06/11/26 07:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143205	06/11/26 09:44	CS	EET MID

Client Sample ID: H-17 (0-0.5')

Lab Sample ID: 880-73486-2

Date Collected: 06/08/26 13:10
Matrix: Solid
Date Received: 06/10/26 17:16

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	143203	06/11/26 08:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	143197	06/11/26 11:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			143300	06/11/26 11:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			143304	06/11/26 11:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	143167	06/10/26 17:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	143261	06/11/26 11:47	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	143193	06/11/26 07:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143205	06/11/26 09:59	CS	EET MID

Client Sample ID: H-4A (0-0.5')

Lab Sample ID: 880-73486-3

Date Collected: 06/08/26 13:12
Matrix: Solid
Date Received: 06/10/26 17:16

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	143203	06/11/26 08:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	143197	06/11/26 11:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			143300	06/11/26 11:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			143304	06/11/26 12:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	143167	06/10/26 17:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	143261	06/11/26 12:02	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	143193	06/11/26 07:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143205	06/11/26 10:04	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-73486-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. 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: Matador Gavalon (03.13.2026)

Job ID: 880-73486-1
SDG: Lea County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73486-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-73486-1	H-16 (0-0.5')	Solid	06/08/26 13:08	06/10/26 17:16	New Mexico
880-73486-2	H-17 (0-0.5')	Solid	06/08/26 13:10	06/10/26 17:16	New Mexico
880-73486-3	H-4A (0-0.5')	Solid	06/08/26 13:12	06/10/26 17:16	New Mexico

Page 137 of 957

Chain of Custody

880-73486 Chain of Custody

6/11/2026

Page ___1___ of ___1___

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date:	24 hr
Sampler's Name:	JM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-2.4
Total Containers:		Corrected Temperature:	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold
H-16 (0-0.5')	6/8/2026	1:08	X		Comp	1	X	X	X	
H-17 (0-0.5')	6/8/2026	1:10	X		Comp	1	X	X	X	
H-4A (0-0.5')	6/8/2026	1:12	X		Comp	1	X	X	X	

Pres. Code / Parameters / ANALYSIS REQUEST

Preservative Codes

None: NO DI Water: H_2O

Cool: Cool MeOH: Me

HCL: HC HNO_3: HN

H_2S0_4: H_2 NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6/10/26 1716		6.10.26 1716

Page 20 of 21

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-73486-1
SDG Number: Lea County New Mexico

Login Number: 73486
List Number: 1
Creator: Dyal, Erica

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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/25/2026 3:58:47 PM

JOB DESCRIPTION

Matador Gavilon (03.13.2026)
Lea County New Mexico

JOB NUMBER

880-69877-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 6/23/2026 8:46:47 AM

my EOL

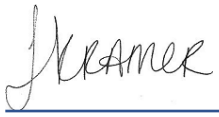
Eurofins Midland

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
3/25/2026 3:58:47 PM

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

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Laboratory Job ID: 880-69877-1
SDG: Lea County New Mexico

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 7
Surrogate Summary 33
QC Sample Results 36
QC Association Summary 48
Lab Chronicle 57
Certification Summary 68
Method Summary 69
Sample Summary 70
Chain of Custody 71
Receipt Checklists 75

Definitions/Glossary

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
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.

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1

Job ID: 880-69877-1 Eurofins Midland

Job Narrative
880-69877-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 3/20/2026 11:41 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -10.2°C.

GC VOA
Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-135647 and analytical batch 880-135598 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-135652 and analytical batch 880-135736 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-6 (0-1.0') (880-69877-22), T-6 (2.0') (880-69877-23), T-6 (3.0') (880-69877-24), T-7 (3.0') (880-69877-28), T-7 (4.0') (880-69877-29), T-8 (2.0') (880-69877-32) and T-8 (3.0') (880-69877-33). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-135749 and analytical batch 880-135736 was outside the upper control limits.

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

Diesel Range Organics
Method 8015B NM: Surrogate recovery for the following sample was outside control limits: T-5 (2.0') (880-69877-20). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (880-69877-A-1-H MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: T-2 (0-1.0') (880-69877-4). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-135679/2-A), (LCSD 880-135679/3-A), (890-9682-A-62-B), (890-9682-A-62-C MS) and (890-9682-A-62-D MSD). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-135664/2-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: T-5 (3.0') (880-69877-21), T-7 (5.0') (880-69877-30) and T-8 (2.0') (880-69877-32). Evidence of matrix interferences is not obvious.

Method 8015B NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-135664 and analytical batch 880-135825 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28).

Eurofins Midland

Case Narrative

Client: Carmona Resources Job ID: 880-69877-1
Project: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1 (Continued) Eurofins Midland

Method 8015B NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-135664 and analytical batch 880-135825 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery 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
Method 300.0 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-135509 and analytical batch 880-135543 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.

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-1 (0-1.0')

Lab Sample ID: 880-69877-1
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1 F2	0.00200		mg/Kg		03/23/26 12:26	03/23/26 22:54	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		03/23/26 12:26	03/23/26 22:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/23/26 12:26	03/23/26 22:54	1
m,p-Xylenes	<0.00399	U F1 F2	0.00399		mg/Kg		03/23/26 12:26	03/23/26 22:54	1
o-Xylene	<0.00200	U F1 F2	0.00200		mg/Kg		03/23/26 12:26	03/23/26 22:54	1
Xylenes, Total	<0.00399	U F1 F2	0.00399		mg/Kg		03/23/26 12:26	03/23/26 22:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*03/23/26 12:26*	*03/23/26 22:54*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*03/23/26 12:26*	*03/23/26 22:54*	*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			03/23/26 22:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/25/26 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	<49.9	U	49.9		mg/Kg		03/23/26 12:39	03/25/26 05:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/23/26 12:39	03/25/26 05:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/26 12:39	03/25/26 05:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*122*		*70 - 130*	*03/23/26 12:39*	*03/25/26 05:18*	*1*
o-Terphenyl (Surr)	*123*		*70 - 130*	*03/23/26 12:39*	*03/25/26 05:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			03/20/26 23:05	1

Client Sample ID: T-1 (2.0')

Lab Sample ID: 880-69877-2
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:26	03/23/26 23:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/23/26 12:26	03/23/26 23:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/23/26 12:26	03/23/26 23:14	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		03/23/26 12:26	03/23/26 23:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/23/26 12:26	03/23/26 23:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/23/26 12:26	03/23/26 23:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*03/23/26 12:26*	*03/23/26 23:14*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/23/26 12:26*	*03/23/26 23:14*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-1 (2.0')

Lab Sample ID: 880-69877-2
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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			03/23/26 23:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/25/26 06:03	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		03/23/26 12:39	03/25/26 06:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/23/26 12:39	03/25/26 06:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/26 12:39	03/25/26 06:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*118*		*70 - 130*	*03/23/26 12:39*	*03/25/26 06:03*	*1*
o-Terphenyl (Surr)	*118*		*70 - 130*	*03/23/26 12:39*	*03/25/26 06:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			03/20/26 23:41	1

Client Sample ID: T-1 (3.0')

Lab Sample ID: 880-69877-3
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:26	03/23/26 23:34	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/23/26 12:26	03/23/26 23:34	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/23/26 12:26	03/23/26 23:34	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		03/23/26 12:26	03/23/26 23:34	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/23/26 12:26	03/23/26 23:34	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/23/26 12:26	03/23/26 23:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*03/23/26 12:26*	*03/23/26 23:34*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/23/26 12:26*	*03/23/26 23:34*	*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			03/23/26 23:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			03/25/26 06:19	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	<50.1	U	50.1		mg/Kg		03/23/26 12:39	03/25/26 06:19	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		03/23/26 12:39	03/25/26 06:19	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-1 (3.0')

Lab Sample ID: 880-69877-3
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/23/26 12:39	03/25/26 06:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*128*		*70 - 130*	*03/23/26 12:39*	*03/25/26 06:19*	*1*
o-Terphenyl (Surr)	*122*		*70 - 130*	*03/23/26 12:39*	*03/25/26 06:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.9**		10.1		mg/Kg			03/20/26 23:53	1

Client Sample ID: T-2 (0-1.0')

Lab Sample ID: 880-69877-4
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:26	03/23/26 23:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/23/26 12:26	03/23/26 23:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/23/26 12:26	03/23/26 23:55	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		03/23/26 12:26	03/23/26 23:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/23/26 12:26	03/23/26 23:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/23/26 12:26	03/23/26 23:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*03/23/26 12:26*	*03/23/26 23:55*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*03/23/26 12:26*	*03/23/26 23:55*	*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			03/23/26 23:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			03/25/26 06:34	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	<50.2	U	50.2		mg/Kg		03/23/26 12:39	03/25/26 06:34	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		03/23/26 12:39	03/25/26 06:34	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		03/23/26 12:39	03/25/26 06:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*130*		*70 - 130*	*03/23/26 12:39*	*03/25/26 06:34*	*1*
o-Terphenyl (Surr)	*135*	*S1+*	*70 - 130*	*03/23/26 12:39*	*03/25/26 06:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**702**		10.0		mg/Kg			03/21/26 00:05	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-2 (2.0')

Lab Sample ID: 880-69877-5
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:26	03/24/26 00:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/23/26 12:26	03/24/26 00:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/23/26 12:26	03/24/26 00:15	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		03/23/26 12:26	03/24/26 00:15	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/23/26 12:26	03/24/26 00:15	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/23/26 12:26	03/24/26 00:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/23/26 12:26*	*03/24/26 00:15*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/23/26 12:26*	*03/24/26 00:15*	*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			03/24/26 00:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			03/25/26 06:49	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	<50.1	U	50.1		mg/Kg		03/23/26 12:39	03/25/26 06:49	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		03/23/26 12:39	03/25/26 06:49	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/23/26 12:39	03/25/26 06:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*118*		*70 - 130*	*03/23/26 12:39*	*03/25/26 06:49*	*1*
o-Terphenyl (Surr)	*120*		*70 - 130*	*03/23/26 12:39*	*03/25/26 06:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**488**		9.98		mg/Kg			03/21/26 00:17	1

Client Sample ID: T-2 (3.0')

Lab Sample ID: 880-69877-6
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:26	03/24/26 00:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/23/26 12:26	03/24/26 00:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/23/26 12:26	03/24/26 00:36	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		03/23/26 12:26	03/24/26 00:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/23/26 12:26	03/24/26 00:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/23/26 12:26	03/24/26 00:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*03/23/26 12:26*	*03/24/26 00:36*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/23/26 12:26*	*03/24/26 00:36*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-2 (3.0')

Lab Sample ID: 880-69877-6
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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			03/24/26 00:36	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			03/25/26 07:05	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		03/23/26 12:39	03/25/26 07:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/23/26 12:39	03/25/26 07:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 12:39	03/25/26 07:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*107*		*70 - 130*	*03/23/26 12:39*	*03/25/26 07:05*	*1*
o-Terphenyl (Surr)	*107*		*70 - 130*	*03/23/26 12:39*	*03/25/26 07:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1220**		9.96		mg/Kg			03/21/26 00:53	1

Client Sample ID: T-2 (4.0')

Lab Sample ID: 880-69877-7
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:26	03/24/26 00:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/23/26 12:26	03/24/26 00:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/23/26 12:26	03/24/26 00:56	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		03/23/26 12:26	03/24/26 00:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/23/26 12:26	03/24/26 00:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/23/26 12:26	03/24/26 00:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/23/26 12:26*	*03/24/26 00:56*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/23/26 12:26*	*03/24/26 00:56*	*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			03/24/26 00:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/25/26 07:19	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		03/23/26 12:39	03/25/26 07:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/23/26 12:39	03/25/26 07:19	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-2 (4.0')

Lab Sample ID: 880-69877-7
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:39	03/25/26 07:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*122*		*70 - 130*	*03/23/26 12:39*	*03/25/26 07:19*	*1*
o-Terphenyl (Surr)	*122*		*70 - 130*	*03/23/26 12:39*	*03/25/26 07:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**176**		10.0		mg/Kg			03/21/26 01:05	1

Client Sample ID: T-2 (5.0')

Lab Sample ID: 880-69877-8
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:26	03/24/26 01:17	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/23/26 12:26	03/24/26 01:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/23/26 12:26	03/24/26 01:17	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		03/23/26 12:26	03/24/26 01:17	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/23/26 12:26	03/24/26 01:17	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/23/26 12:26	03/24/26 01:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*03/23/26 12:26*	*03/24/26 01:17*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*03/23/26 12:26*	*03/24/26 01:17*	*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			03/24/26 01:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/25/26 07:35	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		03/23/26 12:39	03/25/26 07:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/23/26 12:39	03/25/26 07:35	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/23/26 12:39	03/25/26 07:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*122*		*70 - 130*	*03/23/26 12:39*	*03/25/26 07:35*	*1*
o-Terphenyl (Surr)	*119*		*70 - 130*	*03/23/26 12:39*	*03/25/26 07:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**255**		10.0		mg/Kg			03/21/26 01:17	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-3 (0-1.0')

Lab Sample ID: 880-69877-9
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:26	03/24/26 01:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/23/26 12:26	03/24/26 01:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/23/26 12:26	03/24/26 01:37	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		03/23/26 12:26	03/24/26 01:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/23/26 12:26	03/24/26 01:37	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/23/26 12:26	03/24/26 01:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/23/26 12:26*	*03/24/26 01:37*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*03/23/26 12:26*	*03/24/26 01:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/24/26 01:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			03/25/26 07:49	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	<50.2	U	50.2		mg/Kg		03/23/26 12:39	03/25/26 07:49	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		03/23/26 12:39	03/25/26 07:49	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		03/23/26 12:39	03/25/26 07:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*111*		*70 - 130*	*03/23/26 12:39*	*03/25/26 07:49*	*1*
o-Terphenyl (Surr)	*108*		*70 - 130*	*03/23/26 12:39*	*03/25/26 07:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**740**		10.1		mg/Kg			03/21/26 01:28	1

Client Sample ID: T-3 (2.0')

Lab Sample ID: 880-69877-10
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:26	03/24/26 01:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/23/26 12:26	03/24/26 01:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/23/26 12:26	03/24/26 01:58	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		03/23/26 12:26	03/24/26 01:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/23/26 12:26	03/24/26 01:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/23/26 12:26	03/24/26 01:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/23/26 12:26*	*03/24/26 01:58*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/23/26 12:26*	*03/24/26 01:58*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-3 (2.0')

Lab Sample ID: 880-69877-10
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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			03/24/26 01:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			03/25/26 08:06	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	<50.1	U	50.1		mg/Kg		03/23/26 12:39	03/25/26 08:06	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		03/23/26 12:39	03/25/26 08:06	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/23/26 12:39	03/25/26 08:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*123*		*70 - 130*	*03/23/26 12:39*	*03/25/26 08:06*	*1*
o-Terphenyl (Surr)	*113*		*70 - 130*	*03/23/26 12:39*	*03/25/26 08:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.4**		10.1		mg/Kg			03/21/26 01:40	1

Client Sample ID: T-3 (3.0')

Lab Sample ID: 880-69877-11
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:26	03/24/26 03:32	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/23/26 12:26	03/24/26 03:32	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/23/26 12:26	03/24/26 03:32	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		03/23/26 12:26	03/24/26 03:32	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/23/26 12:26	03/24/26 03:32	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/23/26 12:26	03/24/26 03:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*03/23/26 12:26*	*03/24/26 03:32*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*03/23/26 12:26*	*03/24/26 03:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/24/26 03:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/25/26 08:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/23/26 12:39	03/25/26 08:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/23/26 12:39	03/25/26 08:36	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-3 (3.0')

Lab Sample ID: 880-69877-11
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:39	03/25/26 08:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*105*		*70 - 130*	*03/23/26 12:39*	*03/25/26 08:36*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*03/23/26 12:39*	*03/25/26 08:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			03/21/26 01:52	1

Client Sample ID: T-3 (4.0')

Lab Sample ID: 880-69877-12
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/24/26 09:17	03/24/26 16:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/26 09:17	03/24/26 16:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/26 09:17	03/24/26 16:17	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		03/24/26 09:17	03/24/26 16:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/26 09:17	03/24/26 16:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/24/26 09:17	03/24/26 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/24/26 09:17*	*03/24/26 16:17*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*03/24/26 09:17*	*03/24/26 16:17*	*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			03/24/26 16:17	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			03/25/26 08:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/23/26 12:39	03/25/26 08:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/23/26 12:39	03/25/26 08:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 12:39	03/25/26 08:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*03/23/26 12:39*	*03/25/26 08:51*	*1*
o-Terphenyl (Surr)	*110*		*70 - 130*	*03/23/26 12:39*	*03/25/26 08:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			03/21/26 02:28	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-3 (5.0')

Lab Sample ID: 880-69877-13
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/24/26 09:17	03/24/26 16:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/24/26 09:17	03/24/26 16:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/24/26 09:17	03/24/26 16:38	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		03/24/26 09:17	03/24/26 16:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/24/26 09:17	03/24/26 16:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/24/26 09:17	03/24/26 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/24/26 09:17*	*03/24/26 16:38*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*03/24/26 09:17*	*03/24/26 16:38*	*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			03/24/26 16:38	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			03/25/26 09:06	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	<49.9	U	49.9		mg/Kg		03/23/26 12:39	03/25/26 09:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/23/26 12:39	03/25/26 09:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/26 12:39	03/25/26 09:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*83*		*70 - 130*	*03/23/26 12:39*	*03/25/26 09:06*	*1*
o-Terphenyl (Surr)	*80*		*70 - 130*	*03/23/26 12:39*	*03/25/26 09:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.3**		10.0		mg/Kg			03/21/26 02:40	1

Client Sample ID: T-4 (0-1.0')

Lab Sample ID: 880-69877-14
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/24/26 09:17	03/24/26 16:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/26 09:17	03/24/26 16:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/26 09:17	03/24/26 16:58	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		03/24/26 09:17	03/24/26 16:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/26 09:17	03/24/26 16:58	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/24/26 09:17	03/24/26 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/24/26 09:17*	*03/24/26 16:58*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*03/24/26 09:17*	*03/24/26 16:58*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-4 (0-1.0')

Lab Sample ID: 880-69877-14
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/24/26 16:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/25/26 09:22	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		03/23/26 12:39	03/25/26 09:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/23/26 12:39	03/25/26 09:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/26 12:39	03/25/26 09:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*112*		*70 - 130*	*03/23/26 12:39*	*03/25/26 09:22*	*1*
o-Terphenyl (Surr)	*106*		*70 - 130*	*03/23/26 12:39*	*03/25/26 09:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**408**		10.1		mg/Kg			03/21/26 03:16	1

Client Sample ID: T-4 (2.0')

Lab Sample ID: 880-69877-15
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/24/26 09:17	03/24/26 17:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/24/26 09:17	03/24/26 17:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/24/26 09:17	03/24/26 17:18	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		03/24/26 09:17	03/24/26 17:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/24/26 09:17	03/24/26 17:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/24/26 09:17	03/24/26 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/24/26 09:17*	*03/24/26 17:18*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*03/24/26 09:17*	*03/24/26 17:18*	*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			03/24/26 17:18	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			03/25/26 09:37	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		03/23/26 12:39	03/25/26 09:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/23/26 12:39	03/25/26 09:37	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-4 (2.0')

Lab Sample ID: 880-69877-15
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:39	03/25/26 09:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*112*		*70 - 130*	*03/23/26 12:39*	*03/25/26 09:37*	*1*
o-Terphenyl (Surr)	*109*		*70 - 130*	*03/23/26 12:39*	*03/25/26 09:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34.9**		10.1		mg/Kg			03/21/26 03:28	1

Client Sample ID: T-4 (3.0')

Lab Sample ID: 880-69877-16
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/24/26 09:17	03/24/26 17:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/26 09:17	03/24/26 17:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/26 09:17	03/24/26 17:39	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		03/24/26 09:17	03/24/26 17:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/26 09:17	03/24/26 17:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/24/26 09:17	03/24/26 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/24/26 09:17*	*03/24/26 17:39*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/24/26 09:17*	*03/24/26 17:39*	*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			03/24/26 17:39	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			03/25/26 09:52	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	<49.9	U	49.9		mg/Kg		03/23/26 12:39	03/25/26 09:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/23/26 12:39	03/25/26 09:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/26 12:39	03/25/26 09:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*125*		*70 - 130*	*03/23/26 12:39*	*03/25/26 09:52*	*1*
o-Terphenyl (Surr)	*121*		*70 - 130*	*03/23/26 12:39*	*03/25/26 09:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.6**		10.1		mg/Kg			03/21/26 03:40	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-4 (4.0')

Lab Sample ID: 880-69877-17
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/24/26 09:17	03/24/26 17:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/24/26 09:17	03/24/26 17:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/24/26 09:17	03/24/26 17:59	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		03/24/26 09:17	03/24/26 17:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/24/26 09:17	03/24/26 17:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/24/26 09:17	03/24/26 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*03/24/26 09:17*	*03/24/26 17:59*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*03/24/26 09:17*	*03/24/26 17:59*	*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			03/24/26 17:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/25/26 10:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/23/26 12:39	03/25/26 10:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/23/26 12:39	03/25/26 10:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 12:39	03/25/26 10:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*128*		*70 - 130*	*03/23/26 12:39*	*03/25/26 10:08*	*1*
o-Terphenyl (Surr)	*116*		*70 - 130*	*03/23/26 12:39*	*03/25/26 10:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.4**		10.1		mg/Kg			03/20/26 19:17	1

Client Sample ID: T-4 (5.0')

Lab Sample ID: 880-69877-18
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/24/26 09:17	03/24/26 18:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/26 09:17	03/24/26 18:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/26 09:17	03/24/26 18:20	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		03/24/26 09:17	03/24/26 18:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/26 09:17	03/24/26 18:20	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/24/26 09:17	03/24/26 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*03/24/26 09:17*	*03/24/26 18:20*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*03/24/26 09:17*	*03/24/26 18:20*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-4 (5.0')

Lab Sample ID: 880-69877-18
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/24/26 18:20	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			03/25/26 10:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/23/26 12:39	03/25/26 10:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/23/26 12:39	03/25/26 10:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/23/26 12:39	03/25/26 10:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*124*		*70 - 130*	*03/23/26 12:39*	*03/25/26 10:23*	*1*
o-Terphenyl (Surr)	*118*		*70 - 130*	*03/23/26 12:39*	*03/25/26 10:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.0**		10.0		mg/Kg			03/20/26 19:33	1

Client Sample ID: T-5 (0-1.0')

Lab Sample ID: 880-69877-19
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0209**		0.00199		mg/Kg		03/24/26 09:17	03/24/26 18:40	1
Toluene	**0.0391**		0.00199		mg/Kg		03/24/26 09:17	03/24/26 18:40	1
Ethylbenzene	**0.0144**		0.00199		mg/Kg		03/24/26 09:17	03/24/26 18:40	1
m,p-Xylenes	**0.0373**		0.00398		mg/Kg		03/24/26 09:17	03/24/26 18:40	1
o-Xylene	**0.0141**		0.00199		mg/Kg		03/24/26 09:17	03/24/26 18:40	1
Xylenes, Total	**0.0514**		0.00398		mg/Kg		03/24/26 09:17	03/24/26 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/24/26 09:17*	*03/24/26 18:40*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/24/26 09:17*	*03/24/26 18:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.126**		0.00398		mg/Kg			03/24/26 18:40	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			03/25/26 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/23/26 12:39	03/25/26 10:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/23/26 12:39	03/25/26 10:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-5 (0-1.0')

Lab Sample ID: 880-69877-19
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:39	03/25/26 10:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*114*		*70 - 130*	*03/23/26 12:39*	*03/25/26 10:38*	*1*
o-Terphenyl (Surr)	*110*		*70 - 130*	*03/23/26 12:39*	*03/25/26 10:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14600**		202		mg/Kg			03/20/26 19:38	20

Client Sample ID: T-5 (2.0')

Lab Sample ID: 880-69877-20
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/24/26 09:17	03/24/26 19:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/26 09:17	03/24/26 19:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/26 09:17	03/24/26 19:01	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		03/24/26 09:17	03/24/26 19:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/26 09:17	03/24/26 19:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/24/26 09:17	03/24/26 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/24/26 09:17*	*03/24/26 19:01*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*03/24/26 09:17*	*03/24/26 19:01*	*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			03/24/26 19:01	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			03/25/26 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/23/26 13:05	03/25/26 10:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/23/26 13:05	03/25/26 10:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 13:05	03/25/26 10:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*122*		*70 - 130*	*03/23/26 13:05*	*03/25/26 10:38*	*1*
o-Terphenyl (Surr)	*159*	*S1+*	*70 - 130*	*03/23/26 13:05*	*03/25/26 10:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**95.2**		10.1		mg/Kg			03/20/26 19:43	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-5 (3.0')

Lab Sample ID: 880-69877-21
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:39	03/25/26 00:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/23/26 12:39	03/25/26 00:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/23/26 12:39	03/25/26 00:29	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		03/23/26 12:39	03/25/26 00:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/23/26 12:39	03/25/26 00:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/23/26 12:39	03/25/26 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*03/23/26 12:39*	*03/25/26 00:29*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/23/26 12:39*	*03/25/26 00:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/25/26 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			03/24/26 19:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		03/23/26 12:42	03/24/26 19:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1 *1	50.0		mg/Kg		03/23/26 12:42	03/24/26 19:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 12:42	03/24/26 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*109*		*70 - 130*	*03/23/26 12:42*	*03/24/26 19:42*	*1*
o-Terphenyl (Surr)	*269*	*S1+*	*70 - 130*	*03/23/26 12:42*	*03/24/26 19:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.6**		9.98		mg/Kg			03/20/26 19:48	1

Client Sample ID: T-6 (0-1.0')

Lab Sample ID: 880-69877-22
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:39	03/25/26 00:50	1
Toluene	**0.00452**		0.00201		mg/Kg		03/23/26 12:39	03/25/26 00:50	1
Ethylbenzene	**0.00937**		0.00201		mg/Kg		03/23/26 12:39	03/25/26 00:50	1
m,p-Xylenes	**0.0199**		0.00402		mg/Kg		03/23/26 12:39	03/25/26 00:50	1
o-Xylene	**0.00704**		0.00201		mg/Kg		03/23/26 12:39	03/25/26 00:50	1
Xylenes, Total	**0.0269**		0.00402		mg/Kg		03/23/26 12:39	03/25/26 00:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*260*	*S1+*	*70 - 130*	*03/23/26 12:39*	*03/25/26 00:50*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*03/23/26 12:39*	*03/25/26 00:50*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-6 (0-1.0')

Lab Sample ID: 880-69877-22
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0408**		0.00402		mg/Kg			03/25/26 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			03/24/26 20:43	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	<50.0	U *1	50.0		mg/Kg		03/23/26 12:42	03/24/26 20:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/23/26 12:42	03/24/26 20:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 12:42	03/24/26 20:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*111*		*70 - 130*	*03/23/26 12:42*	*03/24/26 20:43*	*1*
o-Terphenyl (Surr)	*123*		*70 - 130*	*03/23/26 12:42*	*03/24/26 20:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4690**		49.6		mg/Kg			03/20/26 20:04	5

Client Sample ID: T-6 (2.0')

Lab Sample ID: 880-69877-23
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:39	03/25/26 01:10	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/23/26 12:39	03/25/26 01:10	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/23/26 12:39	03/25/26 01:10	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		03/23/26 12:39	03/25/26 01:10	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/23/26 12:39	03/25/26 01:10	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/23/26 12:39	03/25/26 01:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*03/23/26 12:39*	*03/25/26 01:10*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*03/23/26 12:39*	*03/25/26 01:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/25/26 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			03/24/26 21:04	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	<49.8	U *1	49.8		mg/Kg		03/23/26 12:42	03/24/26 21:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		03/23/26 12:42	03/24/26 21:04	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-6 (2.0')

Lab Sample ID: 880-69877-23
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:42	03/24/26 21:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*110*		*70 - 130*	*03/23/26 12:42*	*03/24/26 21:04*	*1*
o-Terphenyl (Surr)	*123*		*70 - 130*	*03/23/26 12:42*	*03/24/26 21:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5500**		100		mg/Kg			03/20/26 20:09	10

Client Sample ID: T-6 (3.0')

Lab Sample ID: 880-69877-24
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:39	03/25/26 01:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/23/26 12:39	03/25/26 01:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/23/26 12:39	03/25/26 01:31	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		03/23/26 12:39	03/25/26 01:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/23/26 12:39	03/25/26 01:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/23/26 12:39	03/25/26 01:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*03/23/26 12:39*	*03/25/26 01:31*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/23/26 12:39*	*03/25/26 01:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/25/26 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	<49.9	U	49.9		mg/Kg			03/24/26 21:25	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 *1	49.9		mg/Kg		03/23/26 12:42	03/24/26 21:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/23/26 12:42	03/24/26 21:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/26 12:42	03/24/26 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*107*		*70 - 130*	*03/23/26 12:42*	*03/24/26 21:25*	*1*
o-Terphenyl (Surr)	*115*		*70 - 130*	*03/23/26 12:42*	*03/24/26 21:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**624**		9.96		mg/Kg			03/20/26 20:15	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-6 (4.0')

Lab Sample ID: 880-69877-25
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:39	03/25/26 01:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/23/26 12:39	03/25/26 01:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/23/26 12:39	03/25/26 01:51	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		03/23/26 12:39	03/25/26 01:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/23/26 12:39	03/25/26 01:51	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/23/26 12:39	03/25/26 01:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*03/23/26 12:39*	*03/25/26 01:51*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*03/23/26 12:39*	*03/25/26 01:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/25/26 01:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			03/24/26 21:45	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	<50.1	U *1	50.1		mg/Kg		03/23/26 12:42	03/24/26 21:45	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		03/23/26 12:42	03/24/26 21:45	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/23/26 12:42	03/24/26 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*119*		*70 - 130*	*03/23/26 12:42*	*03/24/26 21:45*	*1*
o-Terphenyl (Surr)	*129*		*70 - 130*	*03/23/26 12:42*	*03/24/26 21:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**62.2**		9.94		mg/Kg			03/20/26 20:20	1

Client Sample ID: T-7 (0-1.0')

Lab Sample ID: 880-69877-26
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:39	03/25/26 02:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/23/26 12:39	03/25/26 02:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/23/26 12:39	03/25/26 02:12	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		03/23/26 12:39	03/25/26 02:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/23/26 12:39	03/25/26 02:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/23/26 12:39	03/25/26 02:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*03/23/26 12:39*	*03/25/26 02:12*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/23/26 12:39*	*03/25/26 02:12*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-7 (0-1.0')

Lab Sample ID: 880-69877-26
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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			03/25/26 02:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			03/24/26 22:07	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	<50.3	U *1	50.3		mg/Kg		03/23/26 12:42	03/24/26 22:07	1
Diesel Range Organics (Over C10-C28)	<50.3	U *1	50.3		mg/Kg		03/23/26 12:42	03/24/26 22:07	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		03/23/26 12:42	03/24/26 22:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*111*		*70 - 130*	*03/23/26 12:42*	*03/24/26 22:07*	*1*
o-Terphenyl (Surr)	*127*		*70 - 130*	*03/23/26 12:42*	*03/24/26 22:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4470**		50.2		mg/Kg			03/20/26 20:25	5

Client Sample ID: T-7 (2.0')

Lab Sample ID: 880-69877-27
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:39	03/25/26 02:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/23/26 12:39	03/25/26 02:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/23/26 12:39	03/25/26 02:32	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		03/23/26 12:39	03/25/26 02:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/23/26 12:39	03/25/26 02:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/23/26 12:39	03/25/26 02:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*03/23/26 12:39*	*03/25/26 02:32*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*03/23/26 12:39*	*03/25/26 02:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/25/26 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	<50.5	U	50.5		mg/Kg			03/24/26 22:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U *1	50.5		mg/Kg		03/23/26 12:42	03/24/26 22:27	1
Diesel Range Organics (Over C10-C28)	<50.5	U *1	50.5		mg/Kg		03/23/26 12:42	03/24/26 22:27	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-7 (2.0')

Lab Sample ID: 880-69877-27
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		03/23/26 12:42	03/24/26 22:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*105*		*70 - 130*	*03/23/26 12:42*	*03/24/26 22:27*	*1*
o-Terphenyl (Surr)	*114*		*70 - 130*	*03/23/26 12:42*	*03/24/26 22:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4770**	**F1**	100		mg/Kg			03/20/26 20:30	10

Client Sample ID: T-7 (3.0')

Lab Sample ID: 880-69877-28
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:39	03/25/26 02:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/23/26 12:39	03/25/26 02:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/23/26 12:39	03/25/26 02:52	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		03/23/26 12:39	03/25/26 02:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/23/26 12:39	03/25/26 02:52	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/23/26 12:39	03/25/26 02:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*03/23/26 12:39*	*03/25/26 02:52*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*03/23/26 12:39*	*03/25/26 02:52*	*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			03/25/26 02:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			03/24/26 22:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U *1	50.1		mg/Kg		03/23/26 12:42	03/24/26 22:48	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		03/23/26 12:42	03/24/26 22:48	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/23/26 12:42	03/24/26 22:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*03/23/26 12:42*	*03/24/26 22:48*	*1*
o-Terphenyl (Surr)	*113*		*70 - 130*	*03/23/26 12:42*	*03/24/26 22:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**89.8**		10.0		mg/Kg			03/20/26 20:46	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-7 (4.0')

Lab Sample ID: 880-69877-29
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:39	03/25/26 03:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/23/26 12:39	03/25/26 03:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/23/26 12:39	03/25/26 03:13	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		03/23/26 12:39	03/25/26 03:13	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/23/26 12:39	03/25/26 03:13	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/23/26 12:39	03/25/26 03:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*282*	*S1+*	*70 - 130*	*03/23/26 12:39*	*03/25/26 03:13*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*03/23/26 12:39*	*03/25/26 03:13*	*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			03/25/26 03:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/24/26 23:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		03/23/26 12:42	03/24/26 23:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/23/26 12:42	03/24/26 23:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 12:42	03/24/26 23:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*119*		*70 - 130*	*03/23/26 12:42*	*03/24/26 23:08*	*1*
o-Terphenyl (Surr)	*130*		*70 - 130*	*03/23/26 12:42*	*03/24/26 23:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**352**		10.0		mg/Kg			03/20/26 20:51	1

Client Sample ID: T-7 (5.0')

Lab Sample ID: 880-69877-30
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:39	03/25/26 03:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/23/26 12:39	03/25/26 03:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/23/26 12:39	03/25/26 03:33	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		03/23/26 12:39	03/25/26 03:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/23/26 12:39	03/25/26 03:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/23/26 12:39	03/25/26 03:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*03/23/26 12:39*	*03/25/26 03:33*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*03/23/26 12:39*	*03/25/26 03:33*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-7 (5.0')

Lab Sample ID: 880-69877-30
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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			03/25/26 03:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/24/26 23:29	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		03/23/26 12:42	03/24/26 23:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/23/26 12:42	03/24/26 23:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/26 12:42	03/24/26 23:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*127*		*70 - 130*	*03/23/26 12:42*	*03/24/26 23:29*	*1*
o-Terphenyl (Surr)	*144*	*S1+*	*70 - 130*	*03/23/26 12:42*	*03/24/26 23:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**142**		9.98		mg/Kg			03/20/26 21:07	1

Client Sample ID: T-8 (0-1.0')

Lab Sample ID: 880-69877-31
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:39	03/25/26 05:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/23/26 12:39	03/25/26 05:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/23/26 12:39	03/25/26 05:24	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		03/23/26 12:39	03/25/26 05:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/23/26 12:39	03/25/26 05:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/23/26 12:39	03/25/26 05:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*03/23/26 12:39*	*03/25/26 05:24*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*03/23/26 12:39*	*03/25/26 05:24*	*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			03/25/26 05:24	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			03/25/26 00:10	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		03/23/26 12:42	03/25/26 00:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/23/26 12:42	03/25/26 00:10	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-8 (0-1.0')

Lab Sample ID: 880-69877-31
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:42	03/25/26 00:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*03/23/26 12:42*	*03/25/26 00:10*	*1*
o-Terphenyl (Surr)	*123*		*70 - 130*	*03/23/26 12:42*	*03/25/26 00:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10000**		201		mg/Kg			03/20/26 21:12	20

Client Sample ID: T-8 (2.0')

Lab Sample ID: 880-69877-32
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:39	03/25/26 05:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/23/26 12:39	03/25/26 05:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/23/26 12:39	03/25/26 05:45	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		03/23/26 12:39	03/25/26 05:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/23/26 12:39	03/25/26 05:45	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/23/26 12:39	03/25/26 05:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*03/23/26 12:39*	*03/25/26 05:45*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/23/26 12:39*	*03/25/26 05:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/25/26 05:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/25/26 00:30	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	<49.8	U *1	49.8		mg/Kg		03/23/26 12:42	03/25/26 00:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		03/23/26 12:42	03/25/26 00:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/23/26 12:42	03/25/26 00:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*116*		*70 - 130*	*03/23/26 12:42*	*03/25/26 00:30*	*1*
o-Terphenyl (Surr)	*135*	*S1+*	*70 - 130*	*03/23/26 12:42*	*03/25/26 00:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.3**		10.1		mg/Kg			03/20/26 21:18	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-8 (3.0')

Lab Sample ID: 880-69877-33
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:39	03/25/26 06:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/23/26 12:39	03/25/26 06:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/23/26 12:39	03/25/26 06:05	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		03/23/26 12:39	03/25/26 06:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/23/26 12:39	03/25/26 06:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/23/26 12:39	03/25/26 06:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*156*	*S1+*	*70 - 130*	*03/23/26 12:39*	*03/25/26 06:05*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/23/26 12:39*	*03/25/26 06:05*	*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			03/25/26 06:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/25/26 00:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8		mg/Kg		03/23/26 12:42	03/25/26 00:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		03/23/26 12:42	03/25/26 00:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/23/26 12:42	03/25/26 00:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*111*		*70 - 130*	*03/23/26 12:42*	*03/25/26 00:51*	*1*
o-Terphenyl (Surr)	*119*		*70 - 130*	*03/23/26 12:42*	*03/25/26 00:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**250**		10.1		mg/Kg			03/20/26 21:23	1

Client Sample ID: T-8 (4.0')

Lab Sample ID: 880-69877-34
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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		03/23/26 12:39	03/25/26 06:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/23/26 12:39	03/25/26 06:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/23/26 12:39	03/25/26 06:26	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		03/23/26 12:39	03/25/26 06:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/23/26 12:39	03/25/26 06:26	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/23/26 12:39	03/25/26 06:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/23/26 12:39*	*03/25/26 06:26*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*03/23/26 12:39*	*03/25/26 06:26*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-8 (4.0')

Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

Lab Sample ID: 880-69877-34

Matrix: Solid

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			03/25/26 06:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/25/26 01:12	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	<49.9	U *1	49.9		mg/Kg		03/23/26 12:42	03/25/26 01:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/23/26 12:42	03/25/26 01:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/26 12:42	03/25/26 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*109*		*70 - 130*	*03/23/26 12:42*	*03/25/26 01:12*	*1*
o-Terphenyl (Surr)	*118*		*70 - 130*	*03/23/26 12:42*	*03/25/26 01:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.9**		10.1		mg/Kg			03/20/26 21:28	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
880-69877-1	T-1 (0-1.0')	112	104										
880-69877-1 MS	T-1 (0-1.0')	106	98										
880-69877-1 MSD	T-1 (0-1.0')	81	98										
880-69877-2	T-1 (2.0')	112	100										
880-69877-3	T-1 (3.0')	107	100										
880-69877-4	T-2 (0-1.0')	78	91										
880-69877-5	T-2 (2.0')	111	100										
880-69877-6	T-2 (3.0')	107	100										
880-69877-7	T-2 (4.0')	111	100										
880-69877-8	T-2 (5.0')	93	87										
880-69877-9	T-3 (0-1.0')	108	101										
880-69877-10	T-3 (2.0')	108	99										
880-69877-11	T-3 (3.0')	112	102										
880-69877-12	T-3 (4.0')	99	102										
880-69877-13	T-3 (5.0')	97	105										
880-69877-14	T-4 (0-1.0')	96	104										
880-69877-15	T-4 (2.0')	101	98										
880-69877-16	T-4 (3.0')	97	100										
880-69877-17	T-4 (4.0')	95	102										
880-69877-18	T-4 (5.0')	94	102										
880-69877-19	T-5 (0-1.0')	100	103										
880-69877-20	T-5 (2.0')	98	101										
880-69877-21	T-5 (3.0')	104	95										
880-69877-21 MS	T-5 (3.0')	114	94										
880-69877-21 MSD	T-5 (3.0')	113	94										
880-69877-22	T-6 (0-1.0')	260 S1+	80										
880-69877-23	T-6 (2.0')	133 S1+	94										
880-69877-24	T-6 (3.0')	131 S1+	103										
880-69877-25	T-6 (4.0')	123	93										
880-69877-26	T-7 (0-1.0')	129	95										
880-69877-27	T-7 (2.0')	124	93										
880-69877-28	T-7 (3.0')	132 S1+	97										
880-69877-29	T-7 (4.0')	282 S1+	71										
880-69877-30	T-7 (5.0')	123	98										
880-69877-31	T-8 (0-1.0')	95	91										
880-69877-32	T-8 (2.0')	133 S1+	95										
880-69877-33	T-8 (3.0')	156 S1+	99										
880-69877-34	T-8 (4.0')	111	91										
880-69941-A-1-G MS	Matrix Spike	96	107										
880-69941-A-1-H MSD	Matrix Spike Duplicate	98	103										
LCS 880-135647/1-A	Lab Control Sample	102	101										
LCS 880-135652/1-A	Lab Control Sample	98	91										
LCS 880-135743/1-A	Lab Control Sample	96	103										
LCSD 880-135647/2-A	Lab Control Sample Dup	107	98										
LCSD 880-135652/2-A	Lab Control Sample Dup	108	102										
LCSD 880-135743/2-A	Lab Control Sample Dup	96	101										
MB 880-135608/5-A	Method Blank	105	95										
MB 880-135647/5-A	Method Blank	101	93										
MB 880-135652/5-A	Method Blank	231 S1+	103										

Surrogate Summary

Client: Carmona Resources
Job ID: 880-69877-1
Project/Site: Matador Gavilon (03.13.2026)
SDG: Lea County New Mexico

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

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
MB 880-135743/5-A	Method Blank	95	96
MB 880-135749/5-A	Method Blank	188 S1+	94

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**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
880-69877-1	T-1 (0-1.0')	122	123
880-69877-1 MS	T-1 (0-1.0')	141 S1+	111
880-69877-1 MSD	T-1 (0-1.0')	112	109
880-69877-2	T-1 (2.0')	118	118
880-69877-3	T-1 (3.0')	128	122
880-69877-4	T-2 (0-1.0')	130	135 S1+
880-69877-5	T-2 (2.0')	118	120
880-69877-6	T-2 (3.0')	107	107
880-69877-7	T-2 (4.0')	122	122
880-69877-8	T-2 (5.0')	122	119
880-69877-9	T-3 (0-1.0')	111	108
880-69877-10	T-3 (2.0')	123	113
880-69877-11	T-3 (3.0')	105	99
880-69877-12	T-3 (4.0')	113	110
880-69877-13	T-3 (5.0')	83	80
880-69877-14	T-4 (0-1.0')	112	106
880-69877-15	T-4 (2.0')	112	109
880-69877-16	T-4 (3.0')	125	121
880-69877-17	T-4 (4.0')	128	116
880-69877-18	T-4 (5.0')	124	118
880-69877-19	T-5 (0-1.0')	114	110
880-69877-20	T-5 (2.0')	122	159 S1+
880-69877-21	T-5 (3.0')	109	269 S1+
880-69877-21 MS	T-5 (3.0')	111	107
880-69877-21 MSD	T-5 (3.0')	106	104
880-69877-22	T-6 (0-1.0')	111	123
880-69877-23	T-6 (2.0')	110	123
880-69877-24	T-6 (3.0')	107	115
880-69877-25	T-6 (4.0')	119	129
880-69877-26	T-7 (0-1.0')	111	127
880-69877-27	T-7 (2.0')	105	114
880-69877-28	T-7 (3.0')	102	113
880-69877-29	T-7 (4.0')	119	130
880-69877-30	T-7 (5.0')	127	144 S1+
880-69877-31	T-8 (0-1.0')	113	123
880-69877-32	T-8 (2.0')	116	135 S1+
880-69877-33	T-8 (3.0')	111	119
880-69877-34	T-8 (4.0')	109	118

Surrogate Summary

Client: Carmona Resources
Job ID: 880-69877-1
Project/Site: Matador Gavilon (03.13.2026)
SDG: Lea County New Mexico

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-9682-A-62-C MS	Matrix Spike	119	152 S1+										
890-9682-A-62-D MSD	Matrix Spike Duplicate	116	157 S1+										
LCS 880-135653/2-A	Lab Control Sample	98	95										
LCS 880-135664/2-A	Lab Control Sample	153 S1+	146 S1+										
LCS 880-135679/2-A	Lab Control Sample	129	137 S1+										
LCSD 880-135653/3-A	Lab Control Sample Dup	97	94										
LCSD 880-135664/3-A	Lab Control Sample Dup	88	81										
LCSD 880-135679/3-A	Lab Control Sample Dup	101	137 S1+										
MB 880-135653/1-A	Method Blank	110	103										
MB 880-135664/1-A	Method Blank	100	110										
MB 880-135679/1-A	Method Blank	98	125										

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-135608/5-A
Matrix: Solid
Analysis Batch: 135598

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 135608

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/23/26 09:46	03/23/26 11:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/23/26 09:46	03/23/26 11:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/23/26 09:46	03/23/26 11:35	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		03/23/26 09:46	03/23/26 11:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/23/26 09:46	03/23/26 11:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/23/26 09:46	03/23/26 11:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/23/26 09:46*	*03/23/26 11:35*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/23/26 09:46*	*03/23/26 11:35*	*1*

Lab Sample ID: MB 880-135647/5-A
Matrix: Solid
Analysis Batch: 135598

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 135647

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/23/26 12:26	03/23/26 22:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/23/26 12:26	03/23/26 22:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/23/26 12:26	03/23/26 22:32	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		03/23/26 12:26	03/23/26 22:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/23/26 12:26	03/23/26 22:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/23/26 12:26	03/23/26 22:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/23/26 12:26*	*03/23/26 22:32*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*03/23/26 12:26*	*03/23/26 22:32*	*1*

Lab Sample ID: LCS 880-135647/1-A
Matrix: Solid
Analysis Batch: 135598

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 135647

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1072		mg/Kg		107	70 - 130
Toluene	0.100	0.09457		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.1018		mg/Kg		102	70 - 130
m,p-Xylenes	0.200	0.2120		mg/Kg		106	70 - 130
o-Xylene	0.100	0.1061		mg/Kg		106	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-135647/2-A
Matrix: Solid
Analysis Batch: 135598

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 135647

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1039		mg/Kg		104	70 - 130	3	35

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCSD 880-135647/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 135598 — **Prep Batch: 135647**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09397		mg/Kg		94	70 - 130	1	35
Ethylbenzene			0.100	0.1023		mg/Kg		102	70 - 130	1	35
m,p-Xylenes			0.200	0.2147		mg/Kg		107	70 - 130	1	35
o-Xylene			0.100	0.1082		mg/Kg		108	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-69877-1 MS — **Client Sample ID: T-1 (0-1.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 135598 — **Prep Batch: 135647**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1 F2	0.100	0.09985		mg/Kg		100	70 - 130
Toluene	<0.00200	U F1	0.100	0.08990		mg/Kg		90	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09675		mg/Kg		97	70 - 130
m,p-Xylenes	<0.00399	U F1 F2	0.200	0.2026		mg/Kg		101	70 - 130
o-Xylene	<0.00200	U F1 F2	0.100	0.1010		mg/Kg		101	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-69877-1 MSD — **Client Sample ID: T-1 (0-1.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 135598 — **Prep Batch: 135647**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1 F2	0.100	0.05785	F1 F2	mg/Kg		58	70 - 130	53	35
Toluene	<0.00200	U F1	0.100	0.06307	F1	mg/Kg		63	70 - 130	35	35
Ethylbenzene	<0.00200	U	0.100	0.07208		mg/Kg		72	70 - 130	29	35
m,p-Xylenes	<0.00399	U F1 F2	0.200	0.1334	F1 F2	mg/Kg		67	70 - 130	41	35
o-Xylene	<0.00200	U F1 F2	0.100	0.06264	F1 F2	mg/Kg		63	70 - 130	47	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: MB 880-135652/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 135736 — **Prep Batch: 135652**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/23/26 12:39	03/25/26 00:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/23/26 12:39	03/25/26 00:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/23/26 12:39	03/25/26 00:00	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		03/23/26 12:39	03/25/26 00:00	1

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-135652/5-A
Matrix: Solid
Analysis Batch: 135736

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 135652

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/23/26 12:39	03/25/26 00:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/23/26 12:39	03/25/26 00:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*231*	*S1+*	*70 - 130*	*03/23/26 12:39*	*03/25/26 00:00*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/23/26 12:39*	*03/25/26 00:00*	*1*

Lab Sample ID: LCS 880-135652/1-A
Matrix: Solid
Analysis Batch: 135736

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 135652

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1027		mg/Kg		103	70 - 130
Toluene	0.100	0.09476		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.1064		mg/Kg		106	70 - 130
m,p-Xylenes	0.200	0.1943		mg/Kg		97	70 - 130
o-Xylene	0.100	0.1048		mg/Kg		105	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: LCSD 880-135652/2-A
Matrix: Solid
Analysis Batch: 135736

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 135652

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1075		mg/Kg		108	70 - 130	5	35
Toluene	0.100	0.09199		mg/Kg		92	70 - 130	3	35
Ethylbenzene	0.100	0.1127		mg/Kg		113	70 - 130	6	35
m,p-Xylenes	0.200	0.2129		mg/Kg		106	70 - 130	9	35
o-Xylene	0.100	0.1162		mg/Kg		116	70 - 130	10	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-69877-21 MS
Matrix: Solid
Analysis Batch: 135736

Client Sample ID: T-5 (3.0')
Prep Type: Total/NA
Prep Batch: 135652

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09833		mg/Kg		98	70 - 130
Toluene	<0.00200	U	0.100	0.08596		mg/Kg		86	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1029		mg/Kg		103	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.2007		mg/Kg		100	70 - 130
o-Xylene	<0.00200	U	0.100	0.1094		mg/Kg		109	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-69877-21 MS
Matrix: Solid
Analysis Batch: 135736

Client Sample ID: T-5 (3.0')
Prep Type: Total/NA
Prep Batch: 135652

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-69877-21 MSD
Matrix: Solid
Analysis Batch: 135736

Client Sample ID: T-5 (3.0')
Prep Type: Total/NA
Prep Batch: 135652

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	0.09663		mg/Kg		97	70 - 130	2	35
Toluene	<0.00200	U	0.100	0.08544		mg/Kg		85	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.1090		mg/Kg		109	70 - 130	6	35
m,p-Xylenes	<0.00399	U	0.200	0.1987		mg/Kg		99	70 - 130	1	35
o-Xylene	<0.00200	U	0.100	0.1074		mg/Kg		107	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: MB 880-135743/5-A
Matrix: Solid
Analysis Batch: 135739

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 135743

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/24/26 09:17	03/24/26 11:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/26 09:17	03/24/26 11:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/26 09:17	03/24/26 11:00	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		03/24/26 09:17	03/24/26 11:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/26 09:17	03/24/26 11:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/24/26 09:17	03/24/26 11:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	03/24/26 09:17	03/24/26 11:00	1
1,4-Difluorobenzene (Surr)	96		70 - 130	03/24/26 09:17	03/24/26 11:00	1

Lab Sample ID: LCS 880-135743/1-A
Matrix: Solid
Analysis Batch: 135739

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 135743

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09027		mg/Kg		90	70 - 130
Toluene	0.100	0.09869		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.09377		mg/Kg		94	70 - 130
m,p-Xylenes	0.200	0.1905		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09198		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-135743/1-A
Matrix: Solid
Analysis Batch: 135739

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 135743

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

Lab Sample ID: LCSD 880-135743/2-A
Matrix: Solid
Analysis Batch: 135739

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 135743

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1028		mg/Kg		103	70 - 130	13	35
Toluene			0.100	0.1129		mg/Kg		113	70 - 130	13	35
Ethylbenzene			0.100	0.1090		mg/Kg		109	70 - 130	15	35
m,p-Xylenes			0.200	0.2233		mg/Kg		112	70 - 130	16	35
o-Xylene			0.100	0.1046		mg/Kg		105	70 - 130	13	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-69941-A-1-G MS
Matrix: Solid
Analysis Batch: 135739

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 135743

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-69941-A-1-H MSD
Matrix: Solid
Analysis Batch: 135739

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 135743

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-135749/5-A
Matrix: Solid
Analysis Batch: 135736

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 135749

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/24/26 09:54	03/24/26 12:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/26 09:54	03/24/26 12:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/26 09:54	03/24/26 12:20	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		03/24/26 09:54	03/24/26 12:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/26 09:54	03/24/26 12:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/24/26 09:54	03/24/26 12:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	188	S1+	70 - 130	03/24/26 09:54	03/24/26 12:20	1

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-135749/5-A
Matrix: Solid
Analysis Batch: 135736

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 135749

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	94		70 - 130	03/24/26 09:54	03/24/26 12:20	1

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

Lab Sample ID: MB 880-135653/1-A
Matrix: Solid
Analysis Batch: 135791

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 135653

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		03/23/26 12:39	03/25/26 04:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/23/26 12:39	03/25/26 04:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 12:39	03/25/26 04:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130	03/23/26 12:39	03/25/26 04:31	1
o-Terphenyl (Surr)	103		70 - 130	03/23/26 12:39	03/25/26 04:31	1

Lab Sample ID: LCS 880-135653/2-A
Matrix: Solid
Analysis Batch: 135791

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 135653

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1161		mg/Kg		116	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1112		mg/Kg		111	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	98		70 - 130
o-Terphenyl (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-135653/3-A
Matrix: Solid
Analysis Batch: 135791

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 135653

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1145		mg/Kg		114	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1090		mg/Kg		109	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	97		70 - 130
o-Terphenyl (Surr)	94		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-69877-1 MS — **Client Sample ID: T-1 (0-1.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 135791 — **Prep Batch: 135653**

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	1000	1181		mg/Kg		116	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1016		mg/Kg		102	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*141*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*111*		*70 - 130*

Lab Sample ID: 880-69877-1 MSD — **Client Sample ID: T-1 (0-1.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 135791 — **Prep Batch: 135653**

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	1000	1159		mg/Kg		114	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1080		mg/Kg		108	70 - 130	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*112*		*70 - 130*
o-Terphenyl (Surr)	*109*		*70 - 130*

Lab Sample ID: MB 880-135664/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 135825 — **Prep Batch: 135664**

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		03/23/26 12:42	03/24/26 16:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/23/26 12:42	03/24/26 16:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 12:42	03/24/26 16:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*100*		*70 - 130*	*03/23/26 12:42*	*03/24/26 16:44*	*1*
o-Terphenyl (Surr)	*110*		*70 - 130*	*03/23/26 12:42*	*03/24/26 16:44*	*1*

Lab Sample ID: LCS 880-135664/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 135825 — **Prep Batch: 135664**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1220		mg/Kg		122	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1278		mg/Kg		128	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-135664/2-A
Matrix: Solid
Analysis Batch: 135825

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 135664

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	153	S1+	70 - 130
o-Terphenyl (Surr)	146	S1+	70 - 130

Lab Sample ID: LCSD 880-135664/3-A
Matrix: Solid
Analysis Batch: 135825

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 135664

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	827.8	*1	mg/Kg		83	70 - 130	38	20
Diesel Range Organics (Over C10-C28)			1000	799.8	*1	mg/Kg		80	70 - 130	46	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	88		70 - 130
o-Terphenyl (Surr)	81		70 - 130

Lab Sample ID: 880-69877-21 MS
Matrix: Solid
Analysis Batch: 135825

Client Sample ID: T-5 (3.0')
Prep Type: Total/NA
Prep Batch: 135664

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 *1	998	777.4		mg/Kg		78	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U F1 *1	998	731.1		mg/Kg		70	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	111		70 - 130
o-Terphenyl (Surr)	107		70 - 130

Lab Sample ID: 880-69877-21 MSD
Matrix: Solid
Analysis Batch: 135825

Client Sample ID: T-5 (3.0')
Prep Type: Total/NA
Prep Batch: 135664

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 *1	998	718.7		mg/Kg		72	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1 *1	998	716.3	F1	mg/Kg		68	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	106		70 - 130
o-Terphenyl (Surr)	104		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-135679/1-A
Matrix: Solid
Analysis Batch: 135792

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 135679

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		03/23/26 13:05	03/25/26 04:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/23/26 13:05	03/25/26 04:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 13:05	03/25/26 04:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*03/23/26 13:05*	*03/25/26 04:31*	*1*
o-Terphenyl (Surr)	*125*		*70 - 130*	*03/23/26 13:05*	*03/25/26 04:31*	*1*

Lab Sample ID: LCS 880-135679/2-A
Matrix: Solid
Analysis Batch: 135792

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 135679

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	995.6		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1044		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*129*		*70 - 130*
o-Terphenyl (Surr)	*137*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-135679/3-A
Matrix: Solid
Analysis Batch: 135792

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 135679

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	986.7		mg/Kg		99	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1139		mg/Kg		114	70 - 130	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*101*		*70 - 130*
o-Terphenyl (Surr)	*137*	*S1+*	*70 - 130*

Lab Sample ID: 890-9682-A-62-C MS
Matrix: Solid
Analysis Batch: 135792

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 135679

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	1000	1091		mg/Kg		109	70 - 130		
Diesel Range Organics (Over C10-C28)	119		1000	1235		mg/Kg		112	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

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

Lab Sample ID: 890-9682-A-62-C MS
Matrix: Solid
Analysis Batch: 135792

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 135679

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	119		70 - 130
o-Terphenyl (Surr)	152	S1+	70 - 130

Lab Sample ID: 890-9682-A-62-D MSD
Matrix: Solid
Analysis Batch: 135792

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 135679

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	<50.2	U	1000	1010		mg/Kg		101	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	119		1000	1250		mg/Kg		113	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	116		70 - 130
o-Terphenyl (Surr)	157	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-135506/1-A
Matrix: Solid
Analysis Batch: 135524

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			03/20/26 22:30	1

Lab Sample ID: LCS 880-135506/2-A
Matrix: Solid
Analysis Batch: 135524

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	259.5		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-135506/3-A
Matrix: Solid
Analysis Batch: 135524

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	268.0		mg/Kg		107	90 - 110	3	20

Lab Sample ID: 880-69877-1 MS
Matrix: Solid
Analysis Batch: 135524

Client Sample ID: T-1 (0-1.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<10.0	U	250	270.5		mg/Kg		105	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-69877-1 MSD — **Client Sample ID: T-1 (0-1.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 135524

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<10.0	U	250	278.0		mg/Kg		108	90 - 110	3	20

Lab Sample ID: 880-69877-11 MS — **Client Sample ID: T-3 (3.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 135524

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<9.94	U	249	274.1		mg/Kg		108	90 - 110

Lab Sample ID: 880-69877-11 MSD — **Client Sample ID: T-3 (3.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 135524

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<9.94	U	249	271.2		mg/Kg		107	90 - 110	1	20

Lab Sample ID: MB 880-135509/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 135543

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			03/20/26 19:01	1

Lab Sample ID: LCS 880-135509/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 135543

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	243.9		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-135509/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 135543

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	244.1		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-69877-17 MS — **Client Sample ID: T-4 (4.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 135543

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15.4		252	264.8		mg/Kg		99	90 - 110

Lab Sample ID: 880-69877-17 MSD — **Client Sample ID: T-4 (4.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 135543

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	15.4		252	265.6		mg/Kg		99	90 - 110	0	20

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-69877-27 MS
Matrix: Solid
Analysis Batch: 135543

Client Sample ID: T-7 (2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	4770	F1	2510	7633	F1	mg/Kg		114	90 - 110		

Lab Sample ID: 880-69877-27 MSD
Matrix: Solid
Analysis Batch: 135543

Client Sample ID: T-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	4770	F1	2510	7663	F1	mg/Kg		115	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

GC VOA

Analysis Batch: 135598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69877-1	T-1 (0-1.0')	Total/NA	Solid	8021B	135647
880-69877-2	T-1 (2.0')	Total/NA	Solid	8021B	135647
880-69877-3	T-1 (3.0')	Total/NA	Solid	8021B	135647
880-69877-4	T-2 (0-1.0')	Total/NA	Solid	8021B	135647
880-69877-5	T-2 (2.0')	Total/NA	Solid	8021B	135647
880-69877-6	T-2 (3.0')	Total/NA	Solid	8021B	135647
880-69877-7	T-2 (4.0')	Total/NA	Solid	8021B	135647
880-69877-8	T-2 (5.0')	Total/NA	Solid	8021B	135647
880-69877-9	T-3 (0-1.0')	Total/NA	Solid	8021B	135647
880-69877-10	T-3 (2.0')	Total/NA	Solid	8021B	135647
880-69877-11	T-3 (3.0')	Total/NA	Solid	8021B	135647
MB 880-135608/5-A	Method Blank	Total/NA	Solid	8021B	135608
MB 880-135647/5-A	Method Blank	Total/NA	Solid	8021B	135647
LCS 880-135647/1-A	Lab Control Sample	Total/NA	Solid	8021B	135647
LCSD 880-135647/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	135647
880-69877-1 MS	T-1 (0-1.0')	Total/NA	Solid	8021B	135647
880-69877-1 MSD	T-1 (0-1.0')	Total/NA	Solid	8021B	135647

Prep Batch: 135608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-135608/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 135647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69877-1	T-1 (0-1.0')	Total/NA	Solid	5035	
880-69877-2	T-1 (2.0')	Total/NA	Solid	5035	
880-69877-3	T-1 (3.0')	Total/NA	Solid	5035	
880-69877-4	T-2 (0-1.0')	Total/NA	Solid	5035	
880-69877-5	T-2 (2.0')	Total/NA	Solid	5035	
880-69877-6	T-2 (3.0')	Total/NA	Solid	5035	
880-69877-7	T-2 (4.0')	Total/NA	Solid	5035	
880-69877-8	T-2 (5.0')	Total/NA	Solid	5035	
880-69877-9	T-3 (0-1.0')	Total/NA	Solid	5035	
880-69877-10	T-3 (2.0')	Total/NA	Solid	5035	
880-69877-11	T-3 (3.0')	Total/NA	Solid	5035	
MB 880-135647/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-135647/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-135647/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-69877-1 MS	T-1 (0-1.0')	Total/NA	Solid	5035	
880-69877-1 MSD	T-1 (0-1.0')	Total/NA	Solid	5035	

Prep Batch: 135652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69877-21	T-5 (3.0')	Total/NA	Solid	5035	
880-69877-22	T-6 (0-1.0')	Total/NA	Solid	5035	
880-69877-23	T-6 (2.0')	Total/NA	Solid	5035	
880-69877-24	T-6 (3.0')	Total/NA	Solid	5035	
880-69877-25	T-6 (4.0')	Total/NA	Solid	5035	
880-69877-26	T-7 (0-1.0')	Total/NA	Solid	5035	
880-69877-27	T-7 (2.0')	Total/NA	Solid	5035	
880-69877-28	T-7 (3.0')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

GC VOA (Continued)

Prep Batch: 135652 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69877-29	T-7 (4.0')	Total/NA	Solid	5035	
880-69877-30	T-7 (5.0')	Total/NA	Solid	5035	
880-69877-31	T-8 (0-1.0')	Total/NA	Solid	5035	
880-69877-32	T-8 (2.0')	Total/NA	Solid	5035	
880-69877-33	T-8 (3.0')	Total/NA	Solid	5035	
880-69877-34	T-8 (4.0')	Total/NA	Solid	5035	
MB 880-135652/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-135652/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-135652/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-69877-21 MS	T-5 (3.0')	Total/NA	Solid	5035	
880-69877-21 MSD	T-5 (3.0')	Total/NA	Solid	5035	

Analysis Batch: 135736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69877-21	T-5 (3.0')	Total/NA	Solid	8021B	135652
880-69877-22	T-6 (0-1.0')	Total/NA	Solid	8021B	135652
880-69877-23	T-6 (2.0')	Total/NA	Solid	8021B	135652
880-69877-24	T-6 (3.0')	Total/NA	Solid	8021B	135652
880-69877-25	T-6 (4.0')	Total/NA	Solid	8021B	135652
880-69877-26	T-7 (0-1.0')	Total/NA	Solid	8021B	135652
880-69877-27	T-7 (2.0')	Total/NA	Solid	8021B	135652
880-69877-28	T-7 (3.0')	Total/NA	Solid	8021B	135652
880-69877-29	T-7 (4.0')	Total/NA	Solid	8021B	135652
880-69877-30	T-7 (5.0')	Total/NA	Solid	8021B	135652
880-69877-31	T-8 (0-1.0')	Total/NA	Solid	8021B	135652
880-69877-32	T-8 (2.0')	Total/NA	Solid	8021B	135652
880-69877-33	T-8 (3.0')	Total/NA	Solid	8021B	135652
880-69877-34	T-8 (4.0')	Total/NA	Solid	8021B	135652
MB 880-135652/5-A	Method Blank	Total/NA	Solid	8021B	135652
MB 880-135749/5-A	Method Blank	Total/NA	Solid	8021B	135749
LCS 880-135652/1-A	Lab Control Sample	Total/NA	Solid	8021B	135652
LCSD 880-135652/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	135652
880-69877-21 MS	T-5 (3.0')	Total/NA	Solid	8021B	135652
880-69877-21 MSD	T-5 (3.0')	Total/NA	Solid	8021B	135652

Analysis Batch: 135739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69877-12	T-3 (4.0')	Total/NA	Solid	8021B	135743
880-69877-13	T-3 (5.0')	Total/NA	Solid	8021B	135743
880-69877-14	T-4 (0-1.0')	Total/NA	Solid	8021B	135743
880-69877-15	T-4 (2.0')	Total/NA	Solid	8021B	135743
880-69877-16	T-4 (3.0')	Total/NA	Solid	8021B	135743
880-69877-17	T-4 (4.0')	Total/NA	Solid	8021B	135743
880-69877-18	T-4 (5.0')	Total/NA	Solid	8021B	135743
880-69877-19	T-5 (0-1.0')	Total/NA	Solid	8021B	135743
880-69877-20	T-5 (2.0')	Total/NA	Solid	8021B	135743
MB 880-135743/5-A	Method Blank	Total/NA	Solid	8021B	135743
LCS 880-135743/1-A	Lab Control Sample	Total/NA	Solid	8021B	135743
LCSD 880-135743/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	135743
880-69941-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	135743
880-69941-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	135743

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

GC VOA

Prep Batch: 135743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69877-12	T-3 (4.0')	Total/NA	Solid	5035	
880-69877-13	T-3 (5.0')	Total/NA	Solid	5035	
880-69877-14	T-4 (0-1.0')	Total/NA	Solid	5035	
880-69877-15	T-4 (2.0')	Total/NA	Solid	5035	
880-69877-16	T-4 (3.0')	Total/NA	Solid	5035	
880-69877-17	T-4 (4.0')	Total/NA	Solid	5035	
880-69877-18	T-4 (5.0')	Total/NA	Solid	5035	
880-69877-19	T-5 (0-1.0')	Total/NA	Solid	5035	
880-69877-20	T-5 (2.0')	Total/NA	Solid	5035	
MB 880-135743/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-135743/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-135743/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-69941-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
880-69941-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 135749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-135749/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 135794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69877-1	T-1 (0-1.0')	Total/NA	Solid	Total BTEX	
880-69877-2	T-1 (2.0')	Total/NA	Solid	Total BTEX	
880-69877-3	T-1 (3.0')	Total/NA	Solid	Total BTEX	
880-69877-4	T-2 (0-1.0')	Total/NA	Solid	Total BTEX	
880-69877-5	T-2 (2.0')	Total/NA	Solid	Total BTEX	
880-69877-6	T-2 (3.0')	Total/NA	Solid	Total BTEX	
880-69877-7	T-2 (4.0')	Total/NA	Solid	Total BTEX	
880-69877-8	T-2 (5.0')	Total/NA	Solid	Total BTEX	
880-69877-9	T-3 (0-1.0')	Total/NA	Solid	Total BTEX	
880-69877-10	T-3 (2.0')	Total/NA	Solid	Total BTEX	
880-69877-11	T-3 (3.0')	Total/NA	Solid	Total BTEX	
880-69877-12	T-3 (4.0')	Total/NA	Solid	Total BTEX	
880-69877-13	T-3 (5.0')	Total/NA	Solid	Total BTEX	
880-69877-14	T-4 (0-1.0')	Total/NA	Solid	Total BTEX	
880-69877-15	T-4 (2.0')	Total/NA	Solid	Total BTEX	
880-69877-16	T-4 (3.0')	Total/NA	Solid	Total BTEX	
880-69877-17	T-4 (4.0')	Total/NA	Solid	Total BTEX	
880-69877-18	T-4 (5.0')	Total/NA	Solid	Total BTEX	
880-69877-19	T-5 (0-1.0')	Total/NA	Solid	Total BTEX	
880-69877-20	T-5 (2.0')	Total/NA	Solid	Total BTEX	
880-69877-21	T-5 (3.0')	Total/NA	Solid	Total BTEX	
880-69877-22	T-6 (0-1.0')	Total/NA	Solid	Total BTEX	
880-69877-23	T-6 (2.0')	Total/NA	Solid	Total BTEX	
880-69877-24	T-6 (3.0')	Total/NA	Solid	Total BTEX	
880-69877-25	T-6 (4.0')	Total/NA	Solid	Total BTEX	
880-69877-26	T-7 (0-1.0')	Total/NA	Solid	Total BTEX	
880-69877-27	T-7 (2.0')	Total/NA	Solid	Total BTEX	
880-69877-28	T-7 (3.0')	Total/NA	Solid	Total BTEX	
880-69877-29	T-7 (4.0')	Total/NA	Solid	Total BTEX	
880-69877-30	T-7 (5.0')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

GC VOA (Continued)

Analysis Batch: 135794 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69877-31	T-8 (0-1.0')	Total/NA	Solid	Total BTEX	
880-69877-32	T-8 (2.0')	Total/NA	Solid	Total BTEX	
880-69877-33	T-8 (3.0')	Total/NA	Solid	Total BTEX	
880-69877-34	T-8 (4.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 135653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69877-1	T-1 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-69877-2	T-1 (2.0')	Total/NA	Solid	8015NM Prep	
880-69877-3	T-1 (3.0')	Total/NA	Solid	8015NM Prep	
880-69877-4	T-2 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-69877-5	T-2 (2.0')	Total/NA	Solid	8015NM Prep	
880-69877-6	T-2 (3.0')	Total/NA	Solid	8015NM Prep	
880-69877-7	T-2 (4.0')	Total/NA	Solid	8015NM Prep	
880-69877-8	T-2 (5.0')	Total/NA	Solid	8015NM Prep	
880-69877-9	T-3 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-69877-10	T-3 (2.0')	Total/NA	Solid	8015NM Prep	
880-69877-11	T-3 (3.0')	Total/NA	Solid	8015NM Prep	
880-69877-12	T-3 (4.0')	Total/NA	Solid	8015NM Prep	
880-69877-13	T-3 (5.0')	Total/NA	Solid	8015NM Prep	
880-69877-14	T-4 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-69877-15	T-4 (2.0')	Total/NA	Solid	8015NM Prep	
880-69877-16	T-4 (3.0')	Total/NA	Solid	8015NM Prep	
880-69877-17	T-4 (4.0')	Total/NA	Solid	8015NM Prep	
880-69877-18	T-4 (5.0')	Total/NA	Solid	8015NM Prep	
880-69877-19	T-5 (0-1.0')	Total/NA	Solid	8015NM Prep	
MB 880-135653/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-135653/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-135653/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-69877-1 MS	T-1 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-69877-1 MSD	T-1 (0-1.0')	Total/NA	Solid	8015NM Prep	

Prep Batch: 135664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69877-21	T-5 (3.0')	Total/NA	Solid	8015NM Prep	
880-69877-22	T-6 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-69877-23	T-6 (2.0')	Total/NA	Solid	8015NM Prep	
880-69877-24	T-6 (3.0')	Total/NA	Solid	8015NM Prep	
880-69877-25	T-6 (4.0')	Total/NA	Solid	8015NM Prep	
880-69877-26	T-7 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-69877-27	T-7 (2.0')	Total/NA	Solid	8015NM Prep	
880-69877-28	T-7 (3.0')	Total/NA	Solid	8015NM Prep	
880-69877-29	T-7 (4.0')	Total/NA	Solid	8015NM Prep	
880-69877-30	T-7 (5.0')	Total/NA	Solid	8015NM Prep	
880-69877-31	T-8 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-69877-32	T-8 (2.0')	Total/NA	Solid	8015NM Prep	
880-69877-33	T-8 (3.0')	Total/NA	Solid	8015NM Prep	
880-69877-34	T-8 (4.0')	Total/NA	Solid	8015NM Prep	
MB 880-135664/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Prep Batch: 135664 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-135664/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-135664/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-69877-21 MS	T-5 (3.0')	Total/NA	Solid	8015NM Prep	
880-69877-21 MSD	T-5 (3.0')	Total/NA	Solid	8015NM Prep	

Prep Batch: 135679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69877-20	T-5 (2.0')	Total/NA	Solid	8015NM Prep	
MB 880-135679/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-135679/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-135679/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9682-A-62-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-9682-A-62-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 135791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69877-1	T-1 (0-1.0')	Total/NA	Solid	8015B NM	135653
880-69877-2	T-1 (2.0')	Total/NA	Solid	8015B NM	135653
880-69877-3	T-1 (3.0')	Total/NA	Solid	8015B NM	135653
880-69877-4	T-2 (0-1.0')	Total/NA	Solid	8015B NM	135653
880-69877-5	T-2 (2.0')	Total/NA	Solid	8015B NM	135653
880-69877-6	T-2 (3.0')	Total/NA	Solid	8015B NM	135653
880-69877-7	T-2 (4.0')	Total/NA	Solid	8015B NM	135653
880-69877-8	T-2 (5.0')	Total/NA	Solid	8015B NM	135653
880-69877-9	T-3 (0-1.0')	Total/NA	Solid	8015B NM	135653
880-69877-10	T-3 (2.0')	Total/NA	Solid	8015B NM	135653
880-69877-11	T-3 (3.0')	Total/NA	Solid	8015B NM	135653
880-69877-12	T-3 (4.0')	Total/NA	Solid	8015B NM	135653
880-69877-13	T-3 (5.0')	Total/NA	Solid	8015B NM	135653
880-69877-14	T-4 (0-1.0')	Total/NA	Solid	8015B NM	135653
880-69877-15	T-4 (2.0')	Total/NA	Solid	8015B NM	135653
880-69877-16	T-4 (3.0')	Total/NA	Solid	8015B NM	135653
880-69877-17	T-4 (4.0')	Total/NA	Solid	8015B NM	135653
880-69877-18	T-4 (5.0')	Total/NA	Solid	8015B NM	135653
880-69877-19	T-5 (0-1.0')	Total/NA	Solid	8015B NM	135653
MB 880-135653/1-A	Method Blank	Total/NA	Solid	8015B NM	135653
LCS 880-135653/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	135653
LCSD 880-135653/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	135653
880-69877-1 MS	T-1 (0-1.0')	Total/NA	Solid	8015B NM	135653
880-69877-1 MSD	T-1 (0-1.0')	Total/NA	Solid	8015B NM	135653

Analysis Batch: 135792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69877-20	T-5 (2.0')	Total/NA	Solid	8015B NM	135679
MB 880-135679/1-A	Method Blank	Total/NA	Solid	8015B NM	135679
LCS 880-135679/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	135679
LCSD 880-135679/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	135679
890-9682-A-62-C MS	Matrix Spike	Total/NA	Solid	8015B NM	135679
890-9682-A-62-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	135679

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

GC Semi VOA

Analysis Batch: 135825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69877-21	T-5 (3.0')	Total/NA	Solid	8015B NM	135664
880-69877-22	T-6 (0-1.0')	Total/NA	Solid	8015B NM	135664
880-69877-23	T-6 (2.0')	Total/NA	Solid	8015B NM	135664
880-69877-24	T-6 (3.0')	Total/NA	Solid	8015B NM	135664
880-69877-25	T-6 (4.0')	Total/NA	Solid	8015B NM	135664
880-69877-26	T-7 (0-1.0')	Total/NA	Solid	8015B NM	135664
880-69877-27	T-7 (2.0')	Total/NA	Solid	8015B NM	135664
880-69877-28	T-7 (3.0')	Total/NA	Solid	8015B NM	135664
880-69877-29	T-7 (4.0')	Total/NA	Solid	8015B NM	135664
880-69877-30	T-7 (5.0')	Total/NA	Solid	8015B NM	135664
880-69877-31	T-8 (0-1.0')	Total/NA	Solid	8015B NM	135664
880-69877-32	T-8 (2.0')	Total/NA	Solid	8015B NM	135664
880-69877-33	T-8 (3.0')	Total/NA	Solid	8015B NM	135664
880-69877-34	T-8 (4.0')	Total/NA	Solid	8015B NM	135664
MB 880-135664/1-A	Method Blank	Total/NA	Solid	8015B NM	135664
LCS 880-135664/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	135664
LCSD 880-135664/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	135664
880-69877-21 MS	T-5 (3.0')	Total/NA	Solid	8015B NM	135664
880-69877-21 MSD	T-5 (3.0')	Total/NA	Solid	8015B NM	135664

Analysis Batch: 135901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69877-1	T-1 (0-1.0')	Total/NA	Solid	8015 NM	
880-69877-2	T-1 (2.0')	Total/NA	Solid	8015 NM	
880-69877-3	T-1 (3.0')	Total/NA	Solid	8015 NM	
880-69877-4	T-2 (0-1.0')	Total/NA	Solid	8015 NM	
880-69877-5	T-2 (2.0')	Total/NA	Solid	8015 NM	
880-69877-6	T-2 (3.0')	Total/NA	Solid	8015 NM	
880-69877-7	T-2 (4.0')	Total/NA	Solid	8015 NM	
880-69877-8	T-2 (5.0')	Total/NA	Solid	8015 NM	
880-69877-9	T-3 (0-1.0')	Total/NA	Solid	8015 NM	
880-69877-10	T-3 (2.0')	Total/NA	Solid	8015 NM	
880-69877-11	T-3 (3.0')	Total/NA	Solid	8015 NM	
880-69877-12	T-3 (4.0')	Total/NA	Solid	8015 NM	
880-69877-13	T-3 (5.0')	Total/NA	Solid	8015 NM	
880-69877-14	T-4 (0-1.0')	Total/NA	Solid	8015 NM	
880-69877-15	T-4 (2.0')	Total/NA	Solid	8015 NM	
880-69877-16	T-4 (3.0')	Total/NA	Solid	8015 NM	
880-69877-17	T-4 (4.0')	Total/NA	Solid	8015 NM	
880-69877-18	T-4 (5.0')	Total/NA	Solid	8015 NM	
880-69877-19	T-5 (0-1.0')	Total/NA	Solid	8015 NM	
880-69877-20	T-5 (2.0')	Total/NA	Solid	8015 NM	
880-69877-21	T-5 (3.0')	Total/NA	Solid	8015 NM	
880-69877-22	T-6 (0-1.0')	Total/NA	Solid	8015 NM	
880-69877-23	T-6 (2.0')	Total/NA	Solid	8015 NM	
880-69877-24	T-6 (3.0')	Total/NA	Solid	8015 NM	
880-69877-25	T-6 (4.0')	Total/NA	Solid	8015 NM	
880-69877-26	T-7 (0-1.0')	Total/NA	Solid	8015 NM	
880-69877-27	T-7 (2.0')	Total/NA	Solid	8015 NM	
880-69877-28	T-7 (3.0')	Total/NA	Solid	8015 NM	
880-69877-29	T-7 (4.0')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 135901 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69877-30	T-7 (5.0')	Total/NA	Solid	8015 NM	
880-69877-31	T-8 (0-1.0')	Total/NA	Solid	8015 NM	
880-69877-32	T-8 (2.0')	Total/NA	Solid	8015 NM	
880-69877-33	T-8 (3.0')	Total/NA	Solid	8015 NM	
880-69877-34	T-8 (4.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 135506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69877-1	T-1 (0-1.0')	Soluble	Solid	DI Leach	
880-69877-2	T-1 (2.0')	Soluble	Solid	DI Leach	
880-69877-3	T-1 (3.0')	Soluble	Solid	DI Leach	
880-69877-4	T-2 (0-1.0')	Soluble	Solid	DI Leach	
880-69877-5	T-2 (2.0')	Soluble	Solid	DI Leach	
880-69877-6	T-2 (3.0')	Soluble	Solid	DI Leach	
880-69877-7	T-2 (4.0')	Soluble	Solid	DI Leach	
880-69877-8	T-2 (5.0')	Soluble	Solid	DI Leach	
880-69877-9	T-3 (0-1.0')	Soluble	Solid	DI Leach	
880-69877-10	T-3 (2.0')	Soluble	Solid	DI Leach	
880-69877-11	T-3 (3.0')	Soluble	Solid	DI Leach	
880-69877-12	T-3 (4.0')	Soluble	Solid	DI Leach	
880-69877-13	T-3 (5.0')	Soluble	Solid	DI Leach	
880-69877-14	T-4 (0-1.0')	Soluble	Solid	DI Leach	
880-69877-15	T-4 (2.0')	Soluble	Solid	DI Leach	
880-69877-16	T-4 (3.0')	Soluble	Solid	DI Leach	
MB 880-135506/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-135506/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-135506/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-69877-1 MS	T-1 (0-1.0')	Soluble	Solid	DI Leach	
880-69877-1 MSD	T-1 (0-1.0')	Soluble	Solid	DI Leach	
880-69877-11 MS	T-3 (3.0')	Soluble	Solid	DI Leach	
880-69877-11 MSD	T-3 (3.0')	Soluble	Solid	DI Leach	

Leach Batch: 135509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69877-17	T-4 (4.0')	Soluble	Solid	DI Leach	
880-69877-18	T-4 (5.0')	Soluble	Solid	DI Leach	
880-69877-19	T-5 (0-1.0')	Soluble	Solid	DI Leach	
880-69877-20	T-5 (2.0')	Soluble	Solid	DI Leach	
880-69877-21	T-5 (3.0')	Soluble	Solid	DI Leach	
880-69877-22	T-6 (0-1.0')	Soluble	Solid	DI Leach	
880-69877-23	T-6 (2.0')	Soluble	Solid	DI Leach	
880-69877-24	T-6 (3.0')	Soluble	Solid	DI Leach	
880-69877-25	T-6 (4.0')	Soluble	Solid	DI Leach	
880-69877-26	T-7 (0-1.0')	Soluble	Solid	DI Leach	
880-69877-27	T-7 (2.0')	Soluble	Solid	DI Leach	
880-69877-28	T-7 (3.0')	Soluble	Solid	DI Leach	
880-69877-29	T-7 (4.0')	Soluble	Solid	DI Leach	
880-69877-30	T-7 (5.0')	Soluble	Solid	DI Leach	
880-69877-31	T-8 (0-1.0')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

HPLC/IC (Continued)

Leach Batch: 135509 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69877-32	T-8 (2.0')	Soluble	Solid	DI Leach	
880-69877-33	T-8 (3.0')	Soluble	Solid	DI Leach	
880-69877-34	T-8 (4.0')	Soluble	Solid	DI Leach	
MB 880-135509/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-135509/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-135509/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-69877-17 MS	T-4 (4.0')	Soluble	Solid	DI Leach	
880-69877-17 MSD	T-4 (4.0')	Soluble	Solid	DI Leach	
880-69877-27 MS	T-7 (2.0')	Soluble	Solid	DI Leach	
880-69877-27 MSD	T-7 (2.0')	Soluble	Solid	DI Leach	

Analysis Batch: 135524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69877-1	T-1 (0-1.0')	Soluble	Solid	300.0	135506
880-69877-2	T-1 (2.0')	Soluble	Solid	300.0	135506
880-69877-3	T-1 (3.0')	Soluble	Solid	300.0	135506
880-69877-4	T-2 (0-1.0')	Soluble	Solid	300.0	135506
880-69877-5	T-2 (2.0')	Soluble	Solid	300.0	135506
880-69877-6	T-2 (3.0')	Soluble	Solid	300.0	135506
880-69877-7	T-2 (4.0')	Soluble	Solid	300.0	135506
880-69877-8	T-2 (5.0')	Soluble	Solid	300.0	135506
880-69877-9	T-3 (0-1.0')	Soluble	Solid	300.0	135506
880-69877-10	T-3 (2.0')	Soluble	Solid	300.0	135506
880-69877-11	T-3 (3.0')	Soluble	Solid	300.0	135506
880-69877-12	T-3 (4.0')	Soluble	Solid	300.0	135506
880-69877-13	T-3 (5.0')	Soluble	Solid	300.0	135506
880-69877-14	T-4 (0-1.0')	Soluble	Solid	300.0	135506
880-69877-15	T-4 (2.0')	Soluble	Solid	300.0	135506
880-69877-16	T-4 (3.0')	Soluble	Solid	300.0	135506
MB 880-135506/1-A	Method Blank	Soluble	Solid	300.0	135506
LCS 880-135506/2-A	Lab Control Sample	Soluble	Solid	300.0	135506
LCSD 880-135506/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	135506
880-69877-1 MS	T-1 (0-1.0')	Soluble	Solid	300.0	135506
880-69877-1 MSD	T-1 (0-1.0')	Soluble	Solid	300.0	135506
880-69877-11 MS	T-3 (3.0')	Soluble	Solid	300.0	135506
880-69877-11 MSD	T-3 (3.0')	Soluble	Solid	300.0	135506

Analysis Batch: 135543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69877-17	T-4 (4.0')	Soluble	Solid	300.0	135509
880-69877-18	T-4 (5.0')	Soluble	Solid	300.0	135509
880-69877-19	T-5 (0-1.0')	Soluble	Solid	300.0	135509
880-69877-20	T-5 (2.0')	Soluble	Solid	300.0	135509
880-69877-21	T-5 (3.0')	Soluble	Solid	300.0	135509
880-69877-22	T-6 (0-1.0')	Soluble	Solid	300.0	135509
880-69877-23	T-6 (2.0')	Soluble	Solid	300.0	135509
880-69877-24	T-6 (3.0')	Soluble	Solid	300.0	135509
880-69877-25	T-6 (4.0')	Soluble	Solid	300.0	135509
880-69877-26	T-7 (0-1.0')	Soluble	Solid	300.0	135509
880-69877-27	T-7 (2.0')	Soluble	Solid	300.0	135509
880-69877-28	T-7 (3.0')	Soluble	Solid	300.0	135509

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

HPLC/IC (Continued)

Analysis Batch: 135543 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69877-29	T-7 (4.0')	Soluble	Solid	300.0	135509
880-69877-30	T-7 (5.0')	Soluble	Solid	300.0	135509
880-69877-31	T-8 (0-1.0')	Soluble	Solid	300.0	135509
880-69877-32	T-8 (2.0')	Soluble	Solid	300.0	135509
880-69877-33	T-8 (3.0')	Soluble	Solid	300.0	135509
880-69877-34	T-8 (4.0')	Soluble	Solid	300.0	135509
MB 880-135509/1-A	Method Blank	Soluble	Solid	300.0	135509
LCS 880-135509/2-A	Lab Control Sample	Soluble	Solid	300.0	135509
LCSD 880-135509/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	135509
880-69877-17 MS	T-4 (4.0')	Soluble	Solid	300.0	135509
880-69877-17 MSD	T-4 (4.0')	Soluble	Solid	300.0	135509
880-69877-27 MS	T-7 (2.0')	Soluble	Solid	300.0	135509
880-69877-27 MSD	T-7 (2.0')	Soluble	Solid	300.0	135509

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-1 (0-1.0')
Lab Sample ID: 880-69877-1

Date Collected: 03/19/26 00:00
Matrix: Solid
Date Received: 03/20/26 11:41

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	135647	03/23/26 12:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135598	03/23/26 22:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/23/26 22:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/25/26 05:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	135653	03/23/26 12:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135791	03/25/26 05:18	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	135506	03/20/26 12:27	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135524	03/20/26 23:05	SMC	EET MID

Client Sample ID: T-1 (2.0')
Lab Sample ID: 880-69877-2

Date Collected: 03/19/26 00:00
Matrix: Solid
Date Received: 03/20/26 11:41

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	135647	03/23/26 12:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135598	03/23/26 23:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/23/26 23:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/25/26 06:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	135653	03/23/26 12:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135791	03/25/26 06:03	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	135506	03/20/26 12:27	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135524	03/20/26 23:41	SMC	EET MID

Client Sample ID: T-1 (3.0')
Lab Sample ID: 880-69877-3

Date Collected: 03/19/26 00:00
Matrix: Solid
Date Received: 03/20/26 11:41

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	135647	03/23/26 12:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135598	03/23/26 23:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/23/26 23:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/25/26 06:19	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	135653	03/23/26 12:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135791	03/25/26 06:19	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	135506	03/20/26 12:27	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135524	03/20/26 23:53	SMC	EET MID

Client Sample ID: T-2 (0-1.0')
Lab Sample ID: 880-69877-4

Date Collected: 03/19/26 00:00
Matrix: Solid
Date Received: 03/20/26 11:41

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	135647	03/23/26 12:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135598	03/23/26 23:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/23/26 23:55	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-2 (0-1.0')

Lab Sample ID: 880-69877-4
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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			135901	03/25/26 06:34	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	135653	03/23/26 12:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135791	03/25/26 06:34	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	135506	03/20/26 12:27	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135524	03/21/26 00:05	SMC	EET MID

Client Sample ID: T-2 (2.0')

Lab Sample ID: 880-69877-5
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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	135647	03/23/26 12:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135598	03/24/26 00:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/24/26 00:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/25/26 06:49	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	135653	03/23/26 12:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135791	03/25/26 06:49	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	135506	03/20/26 12:27	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135524	03/21/26 00:17	SMC	EET MID

Client Sample ID: T-2 (3.0')

Lab Sample ID: 880-69877-6
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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	135647	03/23/26 12:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135598	03/24/26 00:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/24/26 00:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/25/26 07:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135653	03/23/26 12:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135791	03/25/26 07:05	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	135506	03/20/26 12:27	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135524	03/21/26 00:53	SMC	EET MID

Client Sample ID: T-2 (4.0')

Lab Sample ID: 880-69877-7
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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	135647	03/23/26 12:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135598	03/24/26 00:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/24/26 00:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/25/26 07:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135653	03/23/26 12:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135791	03/25/26 07:19	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-2 (4.0')

Lab Sample ID: 880-69877-7
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	135506	03/20/26 12:27	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135524	03/21/26 01:05	SMC	EET MID

Client Sample ID: T-2 (5.0')

Lab Sample ID: 880-69877-8
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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	135647	03/23/26 12:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135598	03/24/26 01:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/24/26 01:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/25/26 07:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	135653	03/23/26 12:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135791	03/25/26 07:35	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	135506	03/20/26 12:27	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135524	03/21/26 01:17	SMC	EET MID

Client Sample ID: T-3 (0-1.0')

Lab Sample ID: 880-69877-9
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	135647	03/23/26 12:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135598	03/24/26 01:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/24/26 01:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/25/26 07:49	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	135653	03/23/26 12:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135791	03/25/26 07:49	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	135506	03/20/26 12:27	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135524	03/21/26 01:28	SMC	EET MID

Client Sample ID: T-3 (2.0')

Lab Sample ID: 880-69877-10
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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	135647	03/23/26 12:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135598	03/24/26 01:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/24/26 01:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/25/26 08:06	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	135653	03/23/26 12:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135791	03/25/26 08:06	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	135506	03/20/26 12:27	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135524	03/21/26 01:40	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-3 (3.0')
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

Lab Sample ID: 880-69877-11
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			5.05 g	5 mL	135647	03/23/26 12:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135598	03/24/26 03:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/24/26 03:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/25/26 08:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	135653	03/23/26 12:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135791	03/25/26 08:36	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	135506	03/20/26 12:27	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135524	03/21/26 01:52	SMC	EET MID

Client Sample ID: T-3 (4.0')
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

Lab Sample ID: 880-69877-12
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			5.01 g	5 mL	135743	03/24/26 09:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135739	03/24/26 16:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/24/26 16:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/25/26 08:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135653	03/23/26 12:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135791	03/25/26 08:51	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	135506	03/20/26 12:27	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135524	03/21/26 02:28	SMC	EET MID

Client Sample ID: T-3 (5.0')
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

Lab Sample ID: 880-69877-13
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	135743	03/24/26 09:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135739	03/24/26 16:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/24/26 16:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/25/26 09:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	135653	03/23/26 12:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135791	03/25/26 09:06	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	135506	03/20/26 12:27	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135524	03/21/26 02:40	SMC	EET MID

Client Sample ID: T-4 (0-1.0')
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

Lab Sample ID: 880-69877-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	135743	03/24/26 09:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135739	03/24/26 16:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/24/26 16:58	SA	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-4 (0-1.0')

Lab Sample ID: 880-69877-14
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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			135901	03/25/26 09:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	135653	03/23/26 12:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135791	03/25/26 09:22	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	135506	03/20/26 12:27	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135524	03/21/26 03:16	SMC	EET MID

Client Sample ID: T-4 (2.0')

Lab Sample ID: 880-69877-15
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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	135743	03/24/26 09:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135739	03/24/26 17:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/24/26 17:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/25/26 09:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135653	03/23/26 12:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135791	03/25/26 09:37	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	135506	03/20/26 12:27	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135524	03/21/26 03:28	SMC	EET MID

Client Sample ID: T-4 (3.0')

Lab Sample ID: 880-69877-16
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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	135743	03/24/26 09:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135739	03/24/26 17:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/24/26 17:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/25/26 09:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	135653	03/23/26 12:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135791	03/25/26 09:52	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	135506	03/20/26 12:27	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135524	03/21/26 03:40	SMC	EET MID

Client Sample ID: T-4 (4.0')

Lab Sample ID: 880-69877-17
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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	135743	03/24/26 09:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135739	03/24/26 17:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/24/26 17:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/25/26 10:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135653	03/23/26 12:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135791	03/25/26 10:08	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-4 (4.0')

Lab Sample ID: 880-69877-17
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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	135509	03/20/26 12:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135543	03/20/26 19:17	CS	EET MID

Client Sample ID: T-4 (5.0')

Lab Sample ID: 880-69877-18
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	135743	03/24/26 09:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135739	03/24/26 18:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/24/26 18:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/25/26 10:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	135653	03/23/26 12:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135791	03/25/26 10:23	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	135509	03/20/26 12:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135543	03/20/26 19:33	CS	EET MID

Client Sample ID: T-5 (0-1.0')

Lab Sample ID: 880-69877-19
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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	135743	03/24/26 09:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135739	03/24/26 18:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/24/26 18:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/25/26 10:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	135653	03/23/26 12:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135791	03/25/26 10:38	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	135509	03/20/26 12:29	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	135543	03/20/26 19:38	CS	EET MID

Client Sample ID: T-5 (2.0')

Lab Sample ID: 880-69877-20
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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	135743	03/24/26 09:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135739	03/24/26 19:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/24/26 19:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/25/26 10:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	135679	03/23/26 13:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135792	03/25/26 10:38	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	135509	03/20/26 12:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135543	03/20/26 19:43	CS	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-5 (3.0')
Lab Sample ID: 880-69877-21
Date Collected: 03/19/26 00:00
Matrix: Solid
Date Received: 03/20/26 11:41

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	135652	03/23/26 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135736	03/25/26 00:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/25/26 00:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/24/26 19:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	135664	03/23/26 12:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135825	03/24/26 19:42	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	135509	03/20/26 12:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135543	03/20/26 19:48	CS	EET MID

Client Sample ID: T-6 (0-1.0')
Lab Sample ID: 880-69877-22
Date Collected: 03/19/26 00:00
Matrix: Solid
Date Received: 03/20/26 11:41

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	135652	03/23/26 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135736	03/25/26 00:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/25/26 00:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/24/26 20:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135664	03/23/26 12:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135825	03/24/26 20:43	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	135509	03/20/26 12:29	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	135543	03/20/26 20:04	CS	EET MID

Client Sample ID: T-6 (2.0')
Lab Sample ID: 880-69877-23
Date Collected: 03/19/26 00:00
Matrix: Solid
Date Received: 03/20/26 11:41

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	135652	03/23/26 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135736	03/25/26 01:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/25/26 01:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/24/26 21:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	135664	03/23/26 12:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135825	03/24/26 21:04	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	135509	03/20/26 12:29	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	135543	03/20/26 20:09	CS	EET MID

Client Sample ID: T-6 (3.0')
Lab Sample ID: 880-69877-24
Date Collected: 03/19/26 00:00
Matrix: Solid
Date Received: 03/20/26 11:41

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	135652	03/23/26 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135736	03/25/26 01:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/25/26 01:31	SA	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-6 (3.0')
Lab Sample ID: 880-69877-24
Date Collected: 03/19/26 00:00
Matrix: Solid
Date Received: 03/20/26 11:41

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			135901	03/24/26 21:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	135664	03/23/26 12:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135825	03/24/26 21:25	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	135509	03/20/26 12:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135543	03/20/26 20:15	CS	EET MID

Client Sample ID: T-6 (4.0')
Lab Sample ID: 880-69877-25
Date Collected: 03/19/26 00:00
Matrix: Solid
Date Received: 03/20/26 11:41

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	135652	03/23/26 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135736	03/25/26 01:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/25/26 01:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/24/26 21:45	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	135664	03/23/26 12:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135825	03/24/26 21:45	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	135509	03/20/26 12:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135543	03/20/26 20:20	CS	EET MID

Client Sample ID: T-7 (0-1.0')
Lab Sample ID: 880-69877-26
Date Collected: 03/19/26 00:00
Matrix: Solid
Date Received: 03/20/26 11:41

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	135652	03/23/26 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135736	03/25/26 02:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/25/26 02:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/24/26 22:07	SA	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10.00 mL	135664	03/23/26 12:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135825	03/24/26 22:07	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	135509	03/20/26 12:29	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	135543	03/20/26 20:25	CS	EET MID

Client Sample ID: T-7 (2.0')
Lab Sample ID: 880-69877-27
Date Collected: 03/19/26 00:00
Matrix: Solid
Date Received: 03/20/26 11:41

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	135652	03/23/26 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135736	03/25/26 02:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/25/26 02:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/24/26 22:27	SA	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10.00 mL	135664	03/23/26 12:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135825	03/24/26 22:27	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-7 (2.0')

Lab Sample ID: 880-69877-27
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	135509	03/20/26 12:29	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	135543	03/20/26 20:30	CS	EET MID

Client Sample ID: T-7 (3.0')

Lab Sample ID: 880-69877-28
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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	135652	03/23/26 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135736	03/25/26 02:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/25/26 02:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/24/26 22:48	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	135664	03/23/26 12:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135825	03/24/26 22:48	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	135509	03/20/26 12:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135543	03/20/26 20:46	CS	EET MID

Client Sample ID: T-7 (4.0')

Lab Sample ID: 880-69877-29
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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	135652	03/23/26 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135736	03/25/26 03:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/25/26 03:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/24/26 23:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135664	03/23/26 12:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135825	03/24/26 23:08	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	135509	03/20/26 12:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135543	03/20/26 20:51	CS	EET MID

Client Sample ID: T-7 (5.0')

Lab Sample ID: 880-69877-30
Matrix: Solid
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

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	135652	03/23/26 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135736	03/25/26 03:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/25/26 03:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/24/26 23:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	135664	03/23/26 12:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135825	03/24/26 23:29	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	135509	03/20/26 12:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135543	03/20/26 21:07	CS	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-8 (0-1.0')
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

Lab Sample ID: 880-69877-31
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			4.98 g	5 mL	135652	03/23/26 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135736	03/25/26 05:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/25/26 05:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/25/26 00:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135664	03/23/26 12:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135825	03/25/26 00:10	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	135509	03/20/26 12:29	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	135543	03/20/26 21:12	CS	EET MID

Client Sample ID: T-8 (2.0')
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

Lab Sample ID: 880-69877-32
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			4.95 g	5 mL	135652	03/23/26 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135736	03/25/26 05:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/25/26 05:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/25/26 00:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	135664	03/23/26 12:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135825	03/25/26 00:30	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	135509	03/20/26 12:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135543	03/20/26 21:18	CS	EET MID

Client Sample ID: T-8 (3.0')
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

Lab Sample ID: 880-69877-33
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	135652	03/23/26 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135736	03/25/26 06:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/25/26 06:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			135901	03/25/26 00:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	135664	03/23/26 12:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135825	03/25/26 00:51	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	135509	03/20/26 12:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135543	03/20/26 21:23	CS	EET MID

Client Sample ID: T-8 (4.0')
Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

Lab Sample ID: 880-69877-34
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			5.05 g	5 mL	135652	03/23/26 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135736	03/25/26 06:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135794	03/25/26 06:26	SA	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Client Sample ID: T-8 (4.0')

Date Collected: 03/19/26 00:00
Date Received: 03/20/26 11:41

Lab Sample ID: 880-69877-34

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			135901	03/25/26 01:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	135664	03/23/26 12:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135825	03/25/26 01:12	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	135509	03/20/26 12:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135543	03/20/26 21:28	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-69877-1
Project/Site: Matador Gavilon (03.13.2026)
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

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: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Matador Gavilon (03.13.2026)

Job ID: 880-69877-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-69877-1	T-1 (0-1.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-2	T-1 (2.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-3	T-1 (3.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-4	T-2 (0-1.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-5	T-2 (2.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-6	T-2 (3.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-7	T-2 (4.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-8	T-2 (5.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-9	T-3 (0-1.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-10	T-3 (2.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-11	T-3 (3.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-12	T-3 (4.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-13	T-3 (5.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-14	T-4 (0-1.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-15	T-4 (2.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-16	T-4 (3.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-17	T-4 (4.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-18	T-4 (5.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-19	T-5 (0-1.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-20	T-5 (2.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-21	T-5 (3.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-22	T-6 (0-1.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-23	T-6 (2.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-24	T-6 (3.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-25	T-6 (4.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-26	T-7 (0-1.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-27	T-7 (2.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-28	T-7 (3.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-29	T-7 (4.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-30	T-7 (5.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-31	T-8 (0-1.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-32	T-8 (2.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-33	T-8 (3.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico
880-69877-34	T-8 (4.0')	Solid	03/19/26 00:00	03/20/26 11:41	New Mexico

Released to Imaging: 6/25/2026 8:46:47 AM
Received by OCD: 6/17/2026 9:45:35 AM

Chain of Custody

880-69877 Chain of Custody

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavilon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date:	72 HR
Sampler's Name:	GPJ/KR		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Received Intact:	Yes No	Thermometer ID:	IR8	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-10	
Total Containers:		Corrected Temperature:	-10.2	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
T-1 (0-1.0')	3/19/2026		X		Grab	1		X	X	X		
T-1 (2.0')	3/19/2026		X		Grab	1		X	X	X		
T-1 (3.0')	3/19/2026		X		Grab	1		X	X	X		
T-2 (0-1.0')	3/19/2026		X		Grab	1		X	X	X		
T-2 (2.0')	3/19/2026		X		Grab	1		X	X	X		
T-2 (3.0')	3/19/2026		X		Grab	1		X	X	X		
T-2 (4.0')	3/19/2026		X		Grab	1		X	X	X		
T-2 (5.0')	3/19/2026		X		Grab	1		X	X	X		
T-3 (0-1.0')	3/19/2026		X		Grab	1		X	X	X		
T-3 (2.0')	3/19/2026		X		Grab	1		X	X	X		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			3.20.26 1147

Released to Imaging: 6/25/2026 8:46:47 AM
Received by OCD: 6/17/2026 9:45:35 AM

Chain of Custody

Work Order No: 69877

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavilon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	72 HR
Sampler's Name:	GPJ/KR		
PO #:			

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

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
T-3 (3.0')	3/19/2026		X		Grab	1	X	X	X		
T-3 (4.0')	3/19/2026		X		Grab	1	X	X	X		
T-3 (5.0')	3/19/2026		X		Grab	1	X	X	X		
T-4 (0-1.0')	3/19/2026		X		Grab	1	X	X	X		
T-4 (2.0')	3/19/2026		X		Grab	1	X	X	X		
T-4 (3.0')	3/19/2026		X		Grab	1	X	X	X		
T-4 (4.0')	3/19/2026		X		Grab	1	X	X	X		
T-4 (5.0')	3/19/2026		X		Grab	1	X	X	X		
T-5 (0-1.0')	3/19/2026		X		Grab	1	X	X	X		
T-5 (2.0')	3/19/2026		X		Grab	1	X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			3.2026 1141

3/25/2026

Released to Imaging: 6/25/2026 8:46:47 AM
Received by OCD: 6/17/2026 9:45:35 AM

Chain of Custody

Work Order No: 69877

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavilon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	72 HR
Sampler's Name:	GPJ/KR		
PO #:			

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

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
T-5 (3.0')	3/19/2026		X		Grab	1			X	X	X		
T-6 (0-1.0')	3/19/2026		X		Grab	1			X	X	X		
T-6 (2.0')	3/19/2026		X		Grab	1			X	X	X		
T-6 (3.0')	3/19/2026		X		Grab	1			X	X	X		
T-6 (4.0')	3/19/2026		X		Grab	1			X	X	X		
T-7 (0-1.0')	3/19/2026		X		Grab	1			X	X	X		
T-7 (2.0')	3/19/2026		X		Grab	1			X	X	X		
T-7 (3.0')	3/19/2026		X		Grab	1			X	X	X		
T-7 (4.0')	3/19/2026		X		Grab	1			X	X	X		
T-7 (5.0')	3/19/2026		X		Grab	1			X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
		Erica Hyd	3.20.26 1141

Released to Imaging: 6/25/2026 8:46:47 AM
Received by OCD: 6/17/2026 9:45:35 AM

Chain of Custody

Work Order No: 69877

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavilon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	72 HR
Sampler's Name:	GPJ/KR		
PO #:			

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold
T-8 (0-1.0')	3/19/2026		X		Grab	1	X	X	X	
T-8 (2.0')	3/19/2026		X		Grab	1	X	X	X	
T-8 (3.0')	3/19/2026		X		Grab	1	X	X	X	
T-8 (4.0')	3/19/2026		X		Grab	1	X	X	X	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Comments

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			3.20.26 1M

3/25/2026

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-69877-1
SDG Number: Lea County New Mexico

Login Number: 69877
List Number: 1
Creator: Lee, Randall

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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/18/2026 9:23:35 AM

JOB DESCRIPTION

Matador Gavalon (03.13.2026)
Lea County New Mexico

JOB NUMBER

880-72280-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 6/23/2026 8:46:47 AM

my EOL

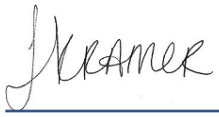
Eurofins Midland

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
5/18/2026 9:23:35 AM

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

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Laboratory Job ID: 880-72280-1
SDG: Lea County New Mexico

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 7
Surrogate Summary 19
QC Sample Results 21
QC Association Summary 31
Lab Chronicle 36
Certification Summary 41
Method Summary 42
Sample Summary 43
Chain of Custody 44
Receipt Checklists 46

Definitions/Glossary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1

Job ID: 880-72280-1 Eurofins Midland

Job Narrative
880-72280-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 5/13/2026 3:00 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 3.3°C.

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: CS- 14 (4.0') (880-72280-14), CS- 16 (4.0') (880-72280-16), (CCV 880-140766/33) and (880-71106-A-23-C MB). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-140774 and analytical batch 880-140766 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-140774 and analytical batch 880-140766 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCSD 880-140774/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-140890 and analytical batch 880-140919 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 samples were outside control limits: CS- 15 (4.0') (880-72280-15) and (LCS 880-140890/1-A). Evidence of matrix interferences is not obvious.

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

Diesel Range Organics
Method 8015B NM: Surrogate recovery for the following samples were outside control limits: CS- 2 (2.0') (880-72280-2), CS- 3 (2.0') (880-72280-3), CS- 5 (2.0') (880-72280-5) and CS- 6 (2.0') (880-72280-6). Evidence of matrix interferences is not obvious.

Method 8015B NM: The matrix spike (MS) recoveries for preparation batch 880-140762 and analytical batch 880-140796 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (880-72281-A-1-A) and (880-72281-A-1-B MS). 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
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Case Narrative

Client: Carmona Resources
Project: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1

Job ID: 880-72280-1 (Continued)

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

Client Sample ID: CS- 1 (2.0')

Lab Sample ID: 880-72280-1
Matrix: Solid
Date Collected: 05/13/26 10:30
Date Received: 05/13/26 15:00

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		05/14/26 08:13	05/14/26 12:38	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/14/26 08:13	05/14/26 12:38	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/14/26 08:13	05/14/26 12:38	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		05/14/26 08:13	05/14/26 12:38	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/14/26 08:13	05/14/26 12:38	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/14/26 08:13	05/14/26 12:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*05/14/26 08:13*	*05/14/26 12:38*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/14/26 08:13*	*05/14/26 12:38*	*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			05/14/26 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/14/26 15:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/14/26 07:36	05/14/26 15:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/26 07:36	05/14/26 15:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/26 07:36	05/14/26 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*108*		*70 - 130*	*05/14/26 07:36*	*05/14/26 15:08*	*1*
o-Terphenyl (Surr)	*72*		*70 - 130*	*05/14/26 07:36*	*05/14/26 15:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**465**		9.92		mg/Kg			05/14/26 13:08	1

Client Sample ID: CS- 2 (2.0')

Lab Sample ID: 880-72280-2
Matrix: Solid
Date Collected: 05/13/26 10:33
Date Received: 05/13/26 15:00

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		05/14/26 08:13	05/14/26 12:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 12:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 12:58	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/14/26 08:13	05/14/26 12:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 12:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/14/26 08:13	05/14/26 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*05/14/26 08:13*	*05/14/26 12:58*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/14/26 08:13*	*05/14/26 12:58*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

Client Sample ID: CS- 2 (2.0')

Lab Sample ID: 880-72280-2
Matrix: Solid
Date Collected: 05/13/26 10:33
Date Received: 05/13/26 15:00

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			05/14/26 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/14/26 15:24	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	<49.9	U	49.9		mg/Kg		05/14/26 07:36	05/14/26 15:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/14/26 07:36	05/14/26 15:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/14/26 07:36	05/14/26 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*05/14/26 07:36*	*05/14/26 15:24*	*1*
o-Terphenyl (Surr)	*67*	*S1-*	*70 - 130*	*05/14/26 07:36*	*05/14/26 15:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			05/14/26 19:14	1

Client Sample ID: CS- 3 (2.0')

Lab Sample ID: 880-72280-3
Matrix: Solid
Date Collected: 05/13/26 10:37
Date Received: 05/13/26 15:00

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		05/14/26 08:13	05/14/26 13:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/14/26 08:13	05/14/26 13:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/14/26 08:13	05/14/26 13:19	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/14/26 08:13	05/14/26 13:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/14/26 08:13	05/14/26 13:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/14/26 08:13	05/14/26 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*05/14/26 08:13*	*05/14/26 13:19*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*05/14/26 08:13*	*05/14/26 13:19*	*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			05/14/26 13:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/14/26 15:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/14/26 07:36	05/14/26 15:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/26 07:36	05/14/26 15:40	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

Client Sample ID: CS- 3 (2.0')

Lab Sample ID: 880-72280-3
Matrix: Solid
Date Collected: 05/13/26 10:37
Date Received: 05/13/26 15:00

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		05/14/26 07:36	05/14/26 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*105*		*70 - 130*	*05/14/26 07:36*	*05/14/26 15:40*	*1*
o-Terphenyl (Surr)	*68*	*S1-*	*70 - 130*	*05/14/26 07:36*	*05/14/26 15:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			05/14/26 19:54	1

Client Sample ID: CS- 4 (2.0')

Lab Sample ID: 880-72280-4
Matrix: Solid
Date Collected: 05/13/26 10:41
Date Received: 05/13/26 15:00

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		05/14/26 08:13	05/14/26 14:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 14:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 14:53	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/14/26 08:13	05/14/26 14:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 14:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 08:13	05/14/26 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*05/14/26 08:13*	*05/14/26 14:53*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/14/26 08:13*	*05/14/26 14:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/14/26 14:53	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			05/14/26 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	49.8		mg/Kg		05/14/26 07:36	05/14/26 15:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/26 07:36	05/14/26 15:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/26 07:36	05/14/26 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*109*		*70 - 130*	*05/14/26 07:36*	*05/14/26 15:56*	*1*
o-Terphenyl (Surr)	*73*		*70 - 130*	*05/14/26 07:36*	*05/14/26 15:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.5**		9.96		mg/Kg			05/14/26 20:08	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

Client Sample ID: CS- 5 (2.0')

Lab Sample ID: 880-72280-5
Matrix: Solid
Date Collected: 05/13/26 10:44
Date Received: 05/13/26 15:00

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		05/14/26 08:13	05/14/26 15:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 15:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 15:13	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/14/26 08:13	05/14/26 15:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 15:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 08:13	05/14/26 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*05/14/26 08:13*	*05/14/26 15:13*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/14/26 08:13*	*05/14/26 15:13*	*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			05/14/26 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/14/26 16:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/14/26 07:36	05/14/26 16:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/26 07:36	05/14/26 16:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/26 07:36	05/14/26 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*84*		*70 - 130*	*05/14/26 07:36*	*05/14/26 16:11*	*1*
o-Terphenyl (Surr)	*53*	*S1-*	*70 - 130*	*05/14/26 07:36*	*05/14/26 16:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**220**		9.96		mg/Kg			05/14/26 20:21	1

Client Sample ID: CS- 6 (2.0')

Lab Sample ID: 880-72280-6
Matrix: Solid
Date Collected: 05/13/26 10:48
Date Received: 05/13/26 15:00

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		05/14/26 08:13	05/14/26 15:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/14/26 08:13	05/14/26 15:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/14/26 08:13	05/14/26 15:34	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/14/26 08:13	05/14/26 15:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/14/26 08:13	05/14/26 15:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/14/26 08:13	05/14/26 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*05/14/26 08:13*	*05/14/26 15:34*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/14/26 08:13*	*05/14/26 15:34*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

Client Sample ID: CS- 6 (2.0')

Lab Sample ID: 880-72280-6
Matrix: Solid
Date Collected: 05/13/26 10:48
Date Received: 05/13/26 15:00

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			05/14/26 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/14/26 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/14/26 07:36	05/14/26 16:27	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/14/26 07:36	05/14/26 16:27	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/14/26 07:36	05/14/26 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*101*		*70 - 130*	*05/14/26 07:36*	*05/14/26 16:27*	*1*
o-Terphenyl (Surr)	*65*	*S1-*	*70 - 130*	*05/14/26 07:36*	*05/14/26 16:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**142**		10.1		mg/Kg			05/14/26 20:34	1

Client Sample ID: CS- 7 (3.0')

Lab Sample ID: 880-72280-7
Matrix: Solid
Date Collected: 05/13/26 10:52
Date Received: 05/13/26 15:00

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		05/14/26 08:13	05/14/26 15:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 15:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 15:55	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/14/26 08:13	05/14/26 15:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 15:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/14/26 08:13	05/14/26 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*05/14/26 08:13*	*05/14/26 15:55*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/14/26 08:13*	*05/14/26 15:55*	*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			05/14/26 15:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			05/14/26 16:07	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	<50.3	U	50.3		mg/Kg		05/14/26 07:39	05/14/26 16:07	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		05/14/26 07:39	05/14/26 16:07	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

Client Sample ID: CS- 7 (3.0')

Lab Sample ID: 880-72280-7
Matrix: Solid
Date Collected: 05/13/26 10:52
Date Received: 05/13/26 15:00

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)	<50.3	U	50.3		mg/Kg		05/14/26 07:39	05/14/26 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*05/14/26 07:39*	*05/14/26 16:07*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*05/14/26 07:39*	*05/14/26 16:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.1**		10.0		mg/Kg			05/14/26 21:14	1

Client Sample ID: CS- 8 (3.0')

Lab Sample ID: 880-72280-8
Matrix: Solid
Date Collected: 05/13/26 10:55
Date Received: 05/13/26 15:00

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		05/14/26 08:13	05/14/26 16:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/14/26 08:13	05/14/26 16:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/14/26 08:13	05/14/26 16:15	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/14/26 08:13	05/14/26 16:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/14/26 08:13	05/14/26 16:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/14/26 08:13	05/14/26 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*05/14/26 08:13*	*05/14/26 16:15*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/14/26 08:13*	*05/14/26 16:15*	*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			05/14/26 16:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/14/26 16:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/14/26 07:39	05/14/26 16:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/26 07:39	05/14/26 16:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/26 07:39	05/14/26 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*05/14/26 07:39*	*05/14/26 16:51*	*1*
o-Terphenyl (Surr)	*95*		*70 - 130*	*05/14/26 07:39*	*05/14/26 16:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**44.2**		10.1		mg/Kg			05/14/26 21:28	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

Client Sample ID: CS- 9 (3.0')

Lab Sample ID: 880-72280-9
Matrix: Solid
Date Collected: 05/13/26 10:59
Date Received: 05/13/26 15:00

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		05/14/26 08:13	05/14/26 16:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/14/26 08:13	05/14/26 16:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/14/26 08:13	05/14/26 16:36	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/14/26 08:13	05/14/26 16:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/14/26 08:13	05/14/26 16:36	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/14/26 08:13	05/14/26 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*05/14/26 08:13*	*05/14/26 16:36*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/14/26 08:13*	*05/14/26 16:36*	*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			05/14/26 16:36	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			05/14/26 17:06	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	<49.9	U	49.9		mg/Kg		05/14/26 07:39	05/14/26 17:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/14/26 07:39	05/14/26 17:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/14/26 07:39	05/14/26 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*05/14/26 07:39*	*05/14/26 17:06*	*1*
o-Terphenyl (Surr)	*89*		*70 - 130*	*05/14/26 07:39*	*05/14/26 17:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			05/14/26 21:41	1

Client Sample ID: CS- 10 (3.0')

Lab Sample ID: 880-72280-10
Matrix: Solid
Date Collected: 05/13/26 11:06
Date Received: 05/13/26 15:00

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		05/14/26 08:13	05/14/26 16:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/14/26 08:13	05/14/26 16:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/14/26 08:13	05/14/26 16:56	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/14/26 08:13	05/14/26 16:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/14/26 08:13	05/14/26 16:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/14/26 08:13	05/14/26 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*05/14/26 08:13*	*05/14/26 16:56*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/14/26 08:13*	*05/14/26 16:56*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

Client Sample ID: CS- 10 (3.0')

Lab Sample ID: 880-72280-10
Date Collected: 05/13/26 11:06
Matrix: Solid
Date Received: 05/13/26 15:00

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			05/14/26 16:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			05/14/26 17:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		05/14/26 07:39	05/14/26 17:21	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		05/14/26 07:39	05/14/26 17:21	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		05/14/26 07:39	05/14/26 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*107*		*70 - 130*	*05/14/26 07:39*	*05/14/26 17:21*	*1*
o-Terphenyl (Surr)	*102*		*70 - 130*	*05/14/26 07:39*	*05/14/26 17:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			05/14/26 21:54	1

Client Sample ID: CS- 11 (4.0')

Lab Sample ID: 880-72280-11
Date Collected: 05/13/26 11:11
Matrix: Solid
Date Received: 05/13/26 15:00

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		05/14/26 08:13	05/14/26 17:17	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/14/26 08:13	05/14/26 17:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/14/26 08:13	05/14/26 17:17	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/14/26 08:13	05/14/26 17:17	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/14/26 08:13	05/14/26 17:17	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/14/26 08:13	05/14/26 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*05/14/26 08:13*	*05/14/26 17:17*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/14/26 08:13*	*05/14/26 17:17*	*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			05/14/26 17:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/14/26 17:35	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		05/14/26 07:39	05/14/26 17:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/26 07:39	05/14/26 17:35	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

Client Sample ID: CS- 11 (4.0')

Lab Sample ID: 880-72280-11
Date Collected: 05/13/26 11:11
Matrix: Solid
Date Received: 05/13/26 15:00

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		05/14/26 07:39	05/14/26 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*95*		*70 - 130*	*05/14/26 07:39*	*05/14/26 17:35*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*05/14/26 07:39*	*05/14/26 17:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.1**		10.0		mg/Kg			05/14/26 22:08	1

Client Sample ID: CS- 12 (4.0')

Lab Sample ID: 880-72280-12
Date Collected: 05/13/26 11:16
Matrix: Solid
Date Received: 05/13/26 15:00

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		05/14/26 08:13	05/14/26 17:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 17:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 17:38	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/14/26 08:13	05/14/26 17:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 17:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 08:13	05/14/26 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*05/14/26 08:13*	*05/14/26 17:38*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/14/26 08:13*	*05/14/26 17:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/14/26 17:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/14/26 17:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/14/26 07:39	05/14/26 17:50	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/14/26 07:39	05/14/26 17:50	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/14/26 07:39	05/14/26 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*05/14/26 07:39*	*05/14/26 17:50*	*1*
o-Terphenyl (Surr)	*90*		*70 - 130*	*05/14/26 07:39*	*05/14/26 17:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.1**		9.96		mg/Kg			05/14/26 22:21	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

Client Sample ID: CS- 13 (4.0')

Lab Sample ID: 880-72280-13
Date Collected: 05/13/26 11:21
Matrix: Solid
Date Received: 05/13/26 15:00

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		05/14/26 08:13	05/14/26 17:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 17:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 17:58	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/14/26 08:13	05/14/26 17:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 17:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 08:13	05/14/26 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*05/14/26 08:13*	*05/14/26 17:58*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/14/26 08:13*	*05/14/26 17:58*	*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			05/14/26 17:58	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			05/14/26 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	<49.8	U	49.8		mg/Kg		05/14/26 07:39	05/14/26 18:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/26 07:39	05/14/26 18:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/26 07:39	05/14/26 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*100*		*70 - 130*	*05/14/26 07:39*	*05/14/26 18:05*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*05/14/26 07:39*	*05/14/26 18:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**56.0**		10.0		mg/Kg			05/14/26 23:01	1

Client Sample ID: CS- 14 (4.0')

Lab Sample ID: 880-72280-14
Date Collected: 05/13/26 11:24
Matrix: Solid
Date Received: 05/13/26 15:00

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		05/14/26 08:12	05/14/26 17:01	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/14/26 08:12	05/14/26 17:01	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/14/26 08:12	05/14/26 17:01	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		05/14/26 08:12	05/14/26 17:01	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/14/26 08:12	05/14/26 17:01	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/14/26 08:12	05/14/26 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*05/14/26 08:12*	*05/14/26 17:01*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*05/14/26 08:12*	*05/14/26 17:01*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

Client Sample ID: CS- 14 (4.0')

Lab Sample ID: 880-72280-14
Date Collected: 05/13/26 11:24
Matrix: Solid
Date Received: 05/13/26 15:00

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			05/14/26 17:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/14/26 18:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/14/26 07:39	05/14/26 18:20	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/14/26 07:39	05/14/26 18:20	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/14/26 07:39	05/14/26 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*101*		*70 - 130*	*05/14/26 07:39*	*05/14/26 18:20*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*05/14/26 07:39*	*05/14/26 18:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.7**		9.92		mg/Kg			05/14/26 23:14	1

Client Sample ID: CS- 15 (4.0')

Lab Sample ID: 880-72280-15
Date Collected: 05/13/26 11:29
Matrix: Solid
Date Received: 05/13/26 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		05/15/26 08:00	05/15/26 13:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/15/26 08:00	05/15/26 13:25	1
Ethylbenzene	<0.00200	U *-	0.00200		mg/Kg		05/15/26 08:00	05/15/26 13:25	1
m,p-Xylenes	<0.00399	U *- *1	0.00399		mg/Kg		05/15/26 08:00	05/15/26 13:25	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		05/15/26 08:00	05/15/26 13:25	1
Xylenes, Total	<0.00399	U *- *1	0.00399		mg/Kg		05/15/26 08:00	05/15/26 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*27*	*S1-*	*70 - 130*	*05/15/26 08:00*	*05/15/26 13:25*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/15/26 08:00*	*05/15/26 13:25*	*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			05/15/26 13:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			05/14/26 18:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		05/14/26 07:39	05/14/26 18:35	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		05/14/26 07:39	05/14/26 18:35	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

Client Sample ID: CS- 15 (4.0')

Lab Sample ID: 880-72280-15
Date Collected: 05/13/26 11:29
Matrix: Solid
Date Received: 05/13/26 15:00

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)	<50.2	U	50.2		mg/Kg		05/14/26 07:39	05/14/26 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*05/14/26 07:39*	*05/14/26 18:35*	*1*
o-Terphenyl (Surr)	*85*		*70 - 130*	*05/14/26 07:39*	*05/14/26 18:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**159**		9.98		mg/Kg			05/14/26 23:54	1

Client Sample ID: CS- 16 (4.0')

Lab Sample ID: 880-72280-16
Date Collected: 05/13/26 11:34
Matrix: Solid
Date Received: 05/13/26 15:00

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		05/14/26 08:12	05/14/26 17:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/14/26 08:12	05/14/26 17:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/14/26 08:12	05/14/26 17:42	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/14/26 08:12	05/14/26 17:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/14/26 08:12	05/14/26 17:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/14/26 08:12	05/14/26 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*158*	*S1+*	*70 - 130*	*05/14/26 08:12*	*05/14/26 17:42*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*05/14/26 08:12*	*05/14/26 17:42*	*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			05/14/26 17:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			05/14/26 18:49	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	<50.2	U	50.2		mg/Kg		05/14/26 07:39	05/14/26 18:49	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		05/14/26 07:39	05/14/26 18:49	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		05/14/26 07:39	05/14/26 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*05/14/26 07:39*	*05/14/26 18:49*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*05/14/26 07:39*	*05/14/26 18:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**126**		9.98		mg/Kg			05/14/26 13:13	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-71106-A-23-C MB	Method Blank	144 S1+	113
880-72228-A-11-F MS	Matrix Spike	91	102
880-72228-A-11-G MSD	Matrix Spike Duplicate	93	101
880-72260-A-1-E MS	Matrix Spike	103	94
880-72260-A-1-F MSD	Matrix Spike Duplicate	94	101
880-72280-1	CS- 1 (2.0')	91	97
880-72280-2	CS- 2 (2.0')	92	95
880-72280-3	CS- 3 (2.0')	83	89
880-72280-4	CS- 4 (2.0')	94	96
880-72280-5	CS- 5 (2.0')	99	97
880-72280-6	CS- 6 (2.0')	89	101
880-72280-7	CS- 7 (3.0')	94	96
880-72280-8	CS- 8 (3.0')	93	97
880-72280-9	CS- 9 (3.0')	90	99
880-72280-10	CS- 10 (3.0')	93	97
880-72280-11	CS- 11 (4.0')	87	98
880-72280-12	CS- 12 (4.0')	92	98
880-72280-13	CS- 13 (4.0')	96	96
880-72280-14	CS- 14 (4.0')	133 S1+	107
880-72280-15	CS- 15 (4.0')	27 S1-	96
880-72280-16	CS- 16 (4.0')	158 S1+	118
890-9920-A-1-G MS	Matrix Spike	119	105
890-9920-A-1-H MSD	Matrix Spike Duplicate	127	110
LCS 880-140774/1-A	Lab Control Sample	112	86
LCS 880-140775/1-A	Lab Control Sample	91	101
LCS 880-140890/1-A	Lab Control Sample	88	0.8 S1-
LCSD 880-140774/2-A	Lab Control Sample Dup	131 S1+	106
LCSD 880-140775/2-A	Lab Control Sample Dup	99	94
LCSD 880-140890/2-A	Lab Control Sample Dup	90	101
MB 880-140774/5-A	Method Blank	140 S1+	99
MB 880-140775/5-A	Method Blank	101	92
MB 880-140890/5-A	Method Blank	87	95

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)
880-72280-1	CS- 1 (2.0')	108	72
880-72280-2	CS- 2 (2.0')	102	67 S1-
880-72280-3	CS- 3 (2.0')	105	68 S1-
880-72280-4	CS- 4 (2.0')	109	73
880-72280-5	CS- 5 (2.0')	84	53 S1-
880-72280-6	CS- 6 (2.0')	101	65 S1-
880-72280-7	CS- 7 (3.0')	102	93

Surrogate Summary

Client: Carmona Resources
Job ID: 880-72280-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County New Mexico

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
880-72280-7 MS	CS- 7 (3.0')	107	94								
880-72280-7 MSD	CS- 7 (3.0')	113	90								
880-72280-8	CS- 8 (3.0')	99	95								
880-72280-9	CS- 9 (3.0')	89	89								
880-72280-10	CS- 10 (3.0')	107	102								
880-72280-11	CS- 11 (4.0')	95	92								
880-72280-12	CS- 12 (4.0')	92	90								
880-72280-13	CS- 13 (4.0')	100	93								
880-72280-14	CS- 14 (4.0')	101	93								
880-72280-15	CS- 15 (4.0')	92	85								
880-72280-16	CS- 16 (4.0')	99	92								
880-72281-A-1-B MS	Matrix Spike	92	63 S1-								
880-72281-A-1-C MSD	Matrix Spike Duplicate	98	75								
LCS 880-140762/2-A	Lab Control Sample	93	72								
LCS 880-140763/2-A	Lab Control Sample	93	80								
LCSD 880-140762/3-A	Lab Control Sample Dup	96	73								
LCSD 880-140763/3-A	Lab Control Sample Dup	95	83								
MB 880-140762/1-A	Method Blank	136 S1+	89								
MB 880-140763/1-A	Method Blank	130	123								

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: 880-71106-A-23-C MB
Matrix: Solid
Analysis Batch: 140766

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140774

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:12	05/14/26 16:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:12	05/14/26 16:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:12	05/14/26 16:20	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/14/26 08:12	05/14/26 16:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:12	05/14/26 16:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 08:12	05/14/26 16:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*05/14/26 08:12*	*05/14/26 16:20*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*05/14/26 08:12*	*05/14/26 16:20*	*1*

Lab Sample ID: MB 880-140774/5-A
Matrix: Solid
Analysis Batch: 140766

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140774

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:12	05/14/26 11:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:12	05/14/26 11:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:12	05/14/26 11:08	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/14/26 08:12	05/14/26 11:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:12	05/14/26 11:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 08:12	05/14/26 11:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*05/14/26 08:12*	*05/14/26 11:08*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/14/26 08:12*	*05/14/26 11:08*	*1*

Lab Sample ID: LCS 880-140774/1-A
Matrix: Solid
Analysis Batch: 140766

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140774

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1076		mg/Kg		108	70 - 130
Toluene	0.100	0.1021		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.09015		mg/Kg		90	70 - 130
m,p-Xylenes	0.200	0.1872		mg/Kg		94	70 - 130
o-Xylene	0.100	0.08522		mg/Kg		85	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*

Lab Sample ID: LCSD 880-140774/2-A
Matrix: Solid
Analysis Batch: 140766

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 140774

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1177		mg/Kg		118	70 - 130	9	35

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCSD 880-140774/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 140766 — **Prep Batch: 140774**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1204		mg/Kg		120	70 - 130	16	35
Ethylbenzene			0.100	0.1113		mg/Kg		111	70 - 130	21	35
m,p-Xylenes			0.200	0.2199		mg/Kg		110	70 - 130	16	35
o-Xylene			0.100	0.1026		mg/Kg		103	70 - 130	18	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 890-9920-A-1-G MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 140766 — **Prep Batch: 140774**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09342		mg/Kg		93	70 - 130
Toluene	<0.00200	U	0.100	0.09164		mg/Kg		92	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.07846		mg/Kg		78	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1643		mg/Kg		82	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.07226		mg/Kg		72	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 890-9920-A-1-H MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 140766 — **Prep Batch: 140774**

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	0.09660		mg/Kg		97	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.08387		mg/Kg		84	70 - 130	9	35
Ethylbenzene	<0.00200	U	0.100	0.07700		mg/Kg		77	70 - 130	2	35
m,p-Xylenes	<0.00399	U	0.200	0.1581		mg/Kg		79	70 - 130	4	35
o-Xylene	<0.00200	U F1	0.100	0.06744	F1	mg/Kg		67	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: MB 880-140775/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 140768 — **Prep Batch: 140775**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 09:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 09:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 09:52	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/14/26 08:13	05/14/26 09:52	1

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-140775/5-A
Matrix: Solid
Analysis Batch: 140768

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140775

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 09:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 08:13	05/14/26 09:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*05/14/26 08:13*	*05/14/26 09:52*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/14/26 08:13*	*05/14/26 09:52*	*1*

Lab Sample ID: LCS 880-140775/1-A
Matrix: Solid
Analysis Batch: 140768

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140775

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08758		mg/Kg		88	70 - 130		
Toluene			0.100	0.08750		mg/Kg		87	70 - 130		
Ethylbenzene			0.100	0.08928		mg/Kg		89	70 - 130		
m,p-Xylenes			0.200	0.1735		mg/Kg		87	70 - 130		
o-Xylene			0.100	0.08644		mg/Kg		86	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-140775/2-A
Matrix: Solid
Analysis Batch: 140768

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 140775

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07497		mg/Kg		75	70 - 130	16	35
Toluene			0.100	0.07982		mg/Kg		80	70 - 130	9	35
Ethylbenzene			0.100	0.08435		mg/Kg		84	70 - 130	6	35
m,p-Xylenes			0.200	0.1640		mg/Kg		82	70 - 130	6	35
o-Xylene			0.100	0.08256		mg/Kg		83	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-72260-A-1-E MS
Matrix: Solid
Analysis Batch: 140768

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 140775

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.07882		mg/Kg		79	70 - 130		
Toluene	<0.00200	U	0.100	0.08932		mg/Kg		89	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.09917		mg/Kg		99	70 - 130		
m,p-Xylenes	<0.00399	U	0.200	0.2028		mg/Kg		101	70 - 130		
o-Xylene	<0.00200	U	0.100	0.09871		mg/Kg		99	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72260-A-1-E MS
Matrix: Solid
Analysis Batch: 140768

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 140775

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-72260-A-1-F MSD
Matrix: Solid
Analysis Batch: 140768

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 140775

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	0.08357		mg/Kg		84	70 - 130	6	35
Toluene	<0.00200	U	0.100	0.08256		mg/Kg		83	70 - 130	8	35
Ethylbenzene	<0.00200	U	0.100	0.08441		mg/Kg		84	70 - 130	16	35
m,p-Xylenes	<0.00399	U	0.200	0.1670		mg/Kg		84	70 - 130	19	35
o-Xylene	<0.00200	U	0.100	0.08175		mg/Kg		82	70 - 130	19	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-140890/5-A
Matrix: Solid
Analysis Batch: 140919

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140890

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:26	05/15/26 12:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:26	05/15/26 12:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:26	05/15/26 12:42	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/14/26 16:26	05/15/26 12:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:26	05/15/26 12:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 16:26	05/15/26 12:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	05/14/26 16:26	05/15/26 12:42	1
1,4-Difluorobenzene (Surr)	95		70 - 130	05/14/26 16:26	05/15/26 12:42	1

Lab Sample ID: LCS 880-140890/1-A
Matrix: Solid
Analysis Batch: 140919

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140890

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	<0.00139	U *-	mg/Kg		0.4	70 - 130
Toluene	0.100	0.07867		mg/Kg		79	70 - 130
Ethylbenzene	0.100	0.06213	*-	mg/Kg		62	70 - 130
m,p-Xylenes	0.200	0.1116	*-	mg/Kg		56	70 - 130
o-Xylene	0.100	0.06000	*-	mg/Kg		60	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-140890/1-A
Matrix: Solid
Analysis Batch: 140919

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140890

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,4-Difluorobenzene (Surr)	0.8	S1-	70 - 130

Lab Sample ID: LCSD 880-140890/2-A
Matrix: Solid
Analysis Batch: 140919

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 140890

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08923	*1	mg/Kg		89	70 - 130	198	35
Toluene			0.100	0.08754		mg/Kg		88	70 - 130	11	35
Ethylbenzene			0.100	0.08453		mg/Kg		85	70 - 130	31	35
m,p-Xylenes			0.200	0.1697	*1	mg/Kg		85	70 - 130	41	35
o-Xylene			0.100	0.08626	*1	mg/Kg		86	70 - 130	36	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-72228-A-11-F MS
Matrix: Solid
Analysis Batch: 140919

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 140890

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U *- *1	0.100	0.08080		mg/Kg		81	70 - 130		
Toluene	<0.00200	U	0.100	0.08066		mg/Kg		81	70 - 130		
Ethylbenzene	<0.00200	U *-	0.100	0.07745		mg/Kg		77	70 - 130		
m,p-Xylenes	<0.00399	U *- *1	0.200	0.1551		mg/Kg		78	70 - 130		
o-Xylene	<0.00200	U *- *1	0.100	0.08086		mg/Kg		81	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-72228-A-11-G MSD
Matrix: Solid
Analysis Batch: 140919

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 140890

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U *- *1	0.100	0.08051		mg/Kg		81	70 - 130	0	35
Toluene	<0.00200	U	0.100	0.08150		mg/Kg		82	70 - 130	1	35
Ethylbenzene	<0.00200	U *-	0.100	0.07927		mg/Kg		79	70 - 130	2	35
m,p-Xylenes	<0.00399	U *- *1	0.200	0.1599		mg/Kg		80	70 - 130	3	35
o-Xylene	<0.00200	U *- *1	0.100	0.08357		mg/Kg		84	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-140762/1-A
Matrix: Solid
Analysis Batch: 140796

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140762

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		05/14/26 07:36	05/14/26 08:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/26 07:36	05/14/26 08:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/26 07:36	05/14/26 08:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*136*	*S1+*	*70 - 130*	*05/14/26 07:36*	*05/14/26 08:11*	*1*
o-Terphenyl (Surr)	*89*		*70 - 130*	*05/14/26 07:36*	*05/14/26 08:11*	*1*

Lab Sample ID: LCS 880-140762/2-A
Matrix: Solid
Analysis Batch: 140796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140762

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	979.8		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	815.5		mg/Kg		82	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*93*		*70 - 130*
o-Terphenyl (Surr)	*72*		*70 - 130*

Lab Sample ID: LCSD 880-140762/3-A
Matrix: Solid
Analysis Batch: 140796

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 140762

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	984.7		mg/Kg		98	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	811.1		mg/Kg		81	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*96*		*70 - 130*
o-Terphenyl (Surr)	*73*		*70 - 130*

Lab Sample ID: 880-72281-A-1-B MS
Matrix: Solid
Analysis Batch: 140796

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 140762

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1000	849.4		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U F1	1000	627.0	F1	mg/Kg		63	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72281-A-1-B MS
Matrix: Solid
Analysis Batch: 140796

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 140762

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	92		70 - 130
o-Terphenyl (Surr)	63	S1-	70 - 130

Lab Sample ID: 880-72281-A-1-C MSD
Matrix: Solid
Analysis Batch: 140796

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 140762

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1000	875.2		mg/Kg		85	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.1	U F1	1000	716.1		mg/Kg		72	70 - 130	13	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	98		70 - 130
o-Terphenyl (Surr)	75		70 - 130

Lab Sample ID: MB 880-140763/1-A
Matrix: Solid
Analysis Batch: 140790

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140763

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		05/14/26 07:38	05/14/26 15:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/26 07:38	05/14/26 15:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/26 07:38	05/14/26 15:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	130		70 - 130	05/14/26 07:38	05/14/26 15:18	1
o-Terphenyl (Surr)	123		70 - 130	05/14/26 07:38	05/14/26 15:18	1

Lab Sample ID: LCS 880-140763/2-A
Matrix: Solid
Analysis Batch: 140790

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140763

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	970.2		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1031		mg/Kg		103	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	93		70 - 130
o-Terphenyl (Surr)	80		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCSD 880-140763/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 140790 — **Prep Batch: 140763**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	988.4		mg/Kg		99	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1086		mg/Kg		109	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*95*		*70 - 130*
o-Terphenyl (Surr)	*83*		*70 - 130*

Lab Sample ID: 880-72280-7 MS — **Client Sample ID: CS- 7 (3.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 140790 — **Prep Batch: 140763**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	1000	1040		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	<50.3	U	1000	1084		mg/Kg		108	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*107*		*70 - 130*
o-Terphenyl (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-72280-7 MSD — **Client Sample ID: CS- 7 (3.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 140790 — **Prep Batch: 140763**

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	<50.3	U	1000	1149		mg/Kg		115	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<50.3	U	1000	1068		mg/Kg		107	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*113*		*70 - 130*
o-Terphenyl (Surr)	*90*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-140782/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 140801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/14/26 11:43	1

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-140782/2-A
Matrix: Solid
Analysis Batch: 140801

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	233.8		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-140782/3-A
Matrix: Solid
Analysis Batch: 140801

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	237.4		mg/Kg		95	90 - 110	2	20

Lab Sample ID: 880-72279-A-7-D MS
Matrix: Solid
Analysis Batch: 140801

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	37.7		249	273.5		mg/Kg		95	90 - 110		

Lab Sample ID: 880-72279-A-7-E MSD
Matrix: Solid
Analysis Batch: 140801

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	37.7		249	278.2		mg/Kg		97	90 - 110	2	20

Lab Sample ID: MB 880-140806/1-A
Matrix: Solid
Analysis Batch: 140876

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			05/14/26 18:34	1

Lab Sample ID: LCS 880-140806/2-A
Matrix: Solid
Analysis Batch: 140876

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 880-140806/3-A
Matrix: Solid
Analysis Batch: 140876

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: 880-72280-2 MS
Matrix: Solid
Analysis Batch: 140876

Client Sample ID: CS- 2 (2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<9.98	U	250	257.9		mg/Kg		103	90 - 110		

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-72280-2 MSD
Matrix: Solid
Analysis Batch: 140876

Client Sample ID: CS- 2 (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	<9.98	U	250	257.8		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-72280-12 MS
Matrix: Solid
Analysis Batch: 140876

Client Sample ID: CS- 12 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	11.1		249	267.1		mg/Kg		103	90 - 110

Lab Sample ID: 880-72280-12 MSD
Matrix: Solid
Analysis Batch: 140876

Client Sample ID: CS- 12 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	11.1		249	266.9		mg/Kg		103	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

GC VOA

Analysis Batch: 140766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72280-14	CS- 14 (4.0')	Total/NA	Solid	8021B	140774
880-72280-16	CS- 16 (4.0')	Total/NA	Solid	8021B	140774
880-71106-A-23-C MB	Method Blank	Total/NA	Solid	8021B	140774
MB 880-140774/5-A	Method Blank	Total/NA	Solid	8021B	140774
LCS 880-140774/1-A	Lab Control Sample	Total/NA	Solid	8021B	140774
LCSD 880-140774/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	140774
890-9920-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	140774
890-9920-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	140774

Analysis Batch: 140768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72280-1	CS- 1 (2.0')	Total/NA	Solid	8021B	140775
880-72280-2	CS- 2 (2.0')	Total/NA	Solid	8021B	140775
880-72280-3	CS- 3 (2.0')	Total/NA	Solid	8021B	140775
880-72280-4	CS- 4 (2.0')	Total/NA	Solid	8021B	140775
880-72280-5	CS- 5 (2.0')	Total/NA	Solid	8021B	140775
880-72280-6	CS- 6 (2.0')	Total/NA	Solid	8021B	140775
880-72280-7	CS- 7 (3.0')	Total/NA	Solid	8021B	140775
880-72280-8	CS- 8 (3.0')	Total/NA	Solid	8021B	140775
880-72280-9	CS- 9 (3.0')	Total/NA	Solid	8021B	140775
880-72280-10	CS- 10 (3.0')	Total/NA	Solid	8021B	140775
880-72280-11	CS- 11 (4.0')	Total/NA	Solid	8021B	140775
880-72280-12	CS- 12 (4.0')	Total/NA	Solid	8021B	140775
880-72280-13	CS- 13 (4.0')	Total/NA	Solid	8021B	140775
MB 880-140775/5-A	Method Blank	Total/NA	Solid	8021B	140775
LCS 880-140775/1-A	Lab Control Sample	Total/NA	Solid	8021B	140775
LCSD 880-140775/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	140775
880-72260-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	140775
880-72260-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	140775

Prep Batch: 140774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72280-14	CS- 14 (4.0')	Total/NA	Solid	5035	
880-72280-16	CS- 16 (4.0')	Total/NA	Solid	5035	
880-71106-A-23-C MB	Method Blank	Total/NA	Solid	5035	
MB 880-140774/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-140774/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-140774/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9920-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
890-9920-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 140775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72280-1	CS- 1 (2.0')	Total/NA	Solid	5035	
880-72280-2	CS- 2 (2.0')	Total/NA	Solid	5035	
880-72280-3	CS- 3 (2.0')	Total/NA	Solid	5035	
880-72280-4	CS- 4 (2.0')	Total/NA	Solid	5035	
880-72280-5	CS- 5 (2.0')	Total/NA	Solid	5035	
880-72280-6	CS- 6 (2.0')	Total/NA	Solid	5035	
880-72280-7	CS- 7 (3.0')	Total/NA	Solid	5035	
880-72280-8	CS- 8 (3.0')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

GC VOA (Continued)

Prep Batch: 140775 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72280-9	CS- 9 (3.0')	Total/NA	Solid	5035	
880-72280-10	CS- 10 (3.0')	Total/NA	Solid	5035	
880-72280-11	CS- 11 (4.0')	Total/NA	Solid	5035	
880-72280-12	CS- 12 (4.0')	Total/NA	Solid	5035	
880-72280-13	CS- 13 (4.0')	Total/NA	Solid	5035	
MB 880-140775/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-140775/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-140775/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-72260-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-72260-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 140850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72280-1	CS- 1 (2.0')	Total/NA	Solid	Total BTEX	
880-72280-2	CS- 2 (2.0')	Total/NA	Solid	Total BTEX	
880-72280-3	CS- 3 (2.0')	Total/NA	Solid	Total BTEX	
880-72280-4	CS- 4 (2.0')	Total/NA	Solid	Total BTEX	
880-72280-5	CS- 5 (2.0')	Total/NA	Solid	Total BTEX	
880-72280-6	CS- 6 (2.0')	Total/NA	Solid	Total BTEX	
880-72280-7	CS- 7 (3.0')	Total/NA	Solid	Total BTEX	
880-72280-8	CS- 8 (3.0')	Total/NA	Solid	Total BTEX	
880-72280-9	CS- 9 (3.0')	Total/NA	Solid	Total BTEX	
880-72280-10	CS- 10 (3.0')	Total/NA	Solid	Total BTEX	
880-72280-11	CS- 11 (4.0')	Total/NA	Solid	Total BTEX	
880-72280-12	CS- 12 (4.0')	Total/NA	Solid	Total BTEX	
880-72280-13	CS- 13 (4.0')	Total/NA	Solid	Total BTEX	
880-72280-14	CS- 14 (4.0')	Total/NA	Solid	Total BTEX	
880-72280-15	CS- 15 (4.0')	Total/NA	Solid	Total BTEX	
880-72280-16	CS- 16 (4.0')	Total/NA	Solid	Total BTEX	

Prep Batch: 140890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72280-15	CS- 15 (4.0')	Total/NA	Solid	5035	
MB 880-140890/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-140890/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-140890/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-72228-A-11-F MS	Matrix Spike	Total/NA	Solid	5035	
880-72228-A-11-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 140919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72280-15	CS- 15 (4.0')	Total/NA	Solid	8021B	140890
MB 880-140890/5-A	Method Blank	Total/NA	Solid	8021B	140890
LCS 880-140890/1-A	Lab Control Sample	Total/NA	Solid	8021B	140890
LCSD 880-140890/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	140890
880-72228-A-11-F MS	Matrix Spike	Total/NA	Solid	8021B	140890
880-72228-A-11-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	140890

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

GC Semi VOA

Prep Batch: 140762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72280-1	CS- 1 (2.0')	Total/NA	Solid	8015NM Prep	
880-72280-2	CS- 2 (2.0')	Total/NA	Solid	8015NM Prep	
880-72280-3	CS- 3 (2.0')	Total/NA	Solid	8015NM Prep	
880-72280-4	CS- 4 (2.0')	Total/NA	Solid	8015NM Prep	
880-72280-5	CS- 5 (2.0')	Total/NA	Solid	8015NM Prep	
880-72280-6	CS- 6 (2.0')	Total/NA	Solid	8015NM Prep	
MB 880-140762/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-140762/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-140762/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-72281-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-72281-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 140763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72280-7	CS- 7 (3.0')	Total/NA	Solid	8015NM Prep	
880-72280-8	CS- 8 (3.0')	Total/NA	Solid	8015NM Prep	
880-72280-9	CS- 9 (3.0')	Total/NA	Solid	8015NM Prep	
880-72280-10	CS- 10 (3.0')	Total/NA	Solid	8015NM Prep	
880-72280-11	CS- 11 (4.0')	Total/NA	Solid	8015NM Prep	
880-72280-12	CS- 12 (4.0')	Total/NA	Solid	8015NM Prep	
880-72280-13	CS- 13 (4.0')	Total/NA	Solid	8015NM Prep	
880-72280-14	CS- 14 (4.0')	Total/NA	Solid	8015NM Prep	
880-72280-15	CS- 15 (4.0')	Total/NA	Solid	8015NM Prep	
880-72280-16	CS- 16 (4.0')	Total/NA	Solid	8015NM Prep	
MB 880-140763/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-140763/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-140763/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-72280-7 MS	CS- 7 (3.0')	Total/NA	Solid	8015NM Prep	
880-72280-7 MSD	CS- 7 (3.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 140790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72280-7	CS- 7 (3.0')	Total/NA	Solid	8015B NM	140763
880-72280-8	CS- 8 (3.0')	Total/NA	Solid	8015B NM	140763
880-72280-9	CS- 9 (3.0')	Total/NA	Solid	8015B NM	140763
880-72280-10	CS- 10 (3.0')	Total/NA	Solid	8015B NM	140763
880-72280-11	CS- 11 (4.0')	Total/NA	Solid	8015B NM	140763
880-72280-12	CS- 12 (4.0')	Total/NA	Solid	8015B NM	140763
880-72280-13	CS- 13 (4.0')	Total/NA	Solid	8015B NM	140763
880-72280-14	CS- 14 (4.0')	Total/NA	Solid	8015B NM	140763
880-72280-15	CS- 15 (4.0')	Total/NA	Solid	8015B NM	140763
880-72280-16	CS- 16 (4.0')	Total/NA	Solid	8015B NM	140763
MB 880-140763/1-A	Method Blank	Total/NA	Solid	8015B NM	140763
LCS 880-140763/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	140763
LCSD 880-140763/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	140763
880-72280-7 MS	CS- 7 (3.0')	Total/NA	Solid	8015B NM	140763
880-72280-7 MSD	CS- 7 (3.0')	Total/NA	Solid	8015B NM	140763

Analysis Batch: 140796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72280-1	CS- 1 (2.0')	Total/NA	Solid	8015B NM	140762

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 140796 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72280-2	CS- 2 (2.0')	Total/NA	Solid	8015B NM	140762
880-72280-3	CS- 3 (2.0')	Total/NA	Solid	8015B NM	140762
880-72280-4	CS- 4 (2.0')	Total/NA	Solid	8015B NM	140762
880-72280-5	CS- 5 (2.0')	Total/NA	Solid	8015B NM	140762
880-72280-6	CS- 6 (2.0')	Total/NA	Solid	8015B NM	140762
MB 880-140762/1-A	Method Blank	Total/NA	Solid	8015B NM	140762
LCS 880-140762/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	140762
LCSD 880-140762/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	140762
880-72281-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	140762
880-72281-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	140762

Analysis Batch: 140902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72280-1	CS- 1 (2.0')	Total/NA	Solid	8015 NM	
880-72280-2	CS- 2 (2.0')	Total/NA	Solid	8015 NM	
880-72280-3	CS- 3 (2.0')	Total/NA	Solid	8015 NM	
880-72280-4	CS- 4 (2.0')	Total/NA	Solid	8015 NM	
880-72280-5	CS- 5 (2.0')	Total/NA	Solid	8015 NM	
880-72280-6	CS- 6 (2.0')	Total/NA	Solid	8015 NM	
880-72280-7	CS- 7 (3.0')	Total/NA	Solid	8015 NM	
880-72280-8	CS- 8 (3.0')	Total/NA	Solid	8015 NM	
880-72280-9	CS- 9 (3.0')	Total/NA	Solid	8015 NM	
880-72280-10	CS- 10 (3.0')	Total/NA	Solid	8015 NM	
880-72280-11	CS- 11 (4.0')	Total/NA	Solid	8015 NM	
880-72280-12	CS- 12 (4.0')	Total/NA	Solid	8015 NM	
880-72280-13	CS- 13 (4.0')	Total/NA	Solid	8015 NM	
880-72280-14	CS- 14 (4.0')	Total/NA	Solid	8015 NM	
880-72280-15	CS- 15 (4.0')	Total/NA	Solid	8015 NM	
880-72280-16	CS- 16 (4.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 140782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72280-1	CS- 1 (2.0')	Soluble	Solid	DI Leach	
880-72280-16	CS- 16 (4.0')	Soluble	Solid	DI Leach	
MB 880-140782/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-140782/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-140782/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-72279-A-7-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-72279-A-7-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 140801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72280-1	CS- 1 (2.0')	Soluble	Solid	300.0	140782
880-72280-16	CS- 16 (4.0')	Soluble	Solid	300.0	140782
MB 880-140782/1-A	Method Blank	Soluble	Solid	300.0	140782
LCS 880-140782/2-A	Lab Control Sample	Soluble	Solid	300.0	140782
LCSD 880-140782/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	140782
880-72279-A-7-D MS	Matrix Spike	Soluble	Solid	300.0	140782
880-72279-A-7-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	140782

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

HPLC/IC

Leach Batch: 140806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72280-2	CS- 2 (2.0')	Soluble	Solid	DI Leach	
880-72280-3	CS- 3 (2.0')	Soluble	Solid	DI Leach	
880-72280-4	CS- 4 (2.0')	Soluble	Solid	DI Leach	
880-72280-5	CS- 5 (2.0')	Soluble	Solid	DI Leach	
880-72280-6	CS- 6 (2.0')	Soluble	Solid	DI Leach	
880-72280-7	CS- 7 (3.0')	Soluble	Solid	DI Leach	
880-72280-8	CS- 8 (3.0')	Soluble	Solid	DI Leach	
880-72280-9	CS- 9 (3.0')	Soluble	Solid	DI Leach	
880-72280-10	CS- 10 (3.0')	Soluble	Solid	DI Leach	
880-72280-11	CS- 11 (4.0')	Soluble	Solid	DI Leach	
880-72280-12	CS- 12 (4.0')	Soluble	Solid	DI Leach	
880-72280-13	CS- 13 (4.0')	Soluble	Solid	DI Leach	
880-72280-14	CS- 14 (4.0')	Soluble	Solid	DI Leach	
880-72280-15	CS- 15 (4.0')	Soluble	Solid	DI Leach	
MB 880-140806/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-140806/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-140806/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-72280-2 MS	CS- 2 (2.0')	Soluble	Solid	DI Leach	
880-72280-2 MSD	CS- 2 (2.0')	Soluble	Solid	DI Leach	
880-72280-12 MS	CS- 12 (4.0')	Soluble	Solid	DI Leach	
880-72280-12 MSD	CS- 12 (4.0')	Soluble	Solid	DI Leach	

Analysis Batch: 140876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72280-2	CS- 2 (2.0')	Soluble	Solid	300.0	140806
880-72280-3	CS- 3 (2.0')	Soluble	Solid	300.0	140806
880-72280-4	CS- 4 (2.0')	Soluble	Solid	300.0	140806
880-72280-5	CS- 5 (2.0')	Soluble	Solid	300.0	140806
880-72280-6	CS- 6 (2.0')	Soluble	Solid	300.0	140806
880-72280-7	CS- 7 (3.0')	Soluble	Solid	300.0	140806
880-72280-8	CS- 8 (3.0')	Soluble	Solid	300.0	140806
880-72280-9	CS- 9 (3.0')	Soluble	Solid	300.0	140806
880-72280-10	CS- 10 (3.0')	Soluble	Solid	300.0	140806
880-72280-11	CS- 11 (4.0')	Soluble	Solid	300.0	140806
880-72280-12	CS- 12 (4.0')	Soluble	Solid	300.0	140806
880-72280-13	CS- 13 (4.0')	Soluble	Solid	300.0	140806
880-72280-14	CS- 14 (4.0')	Soluble	Solid	300.0	140806
880-72280-15	CS- 15 (4.0')	Soluble	Solid	300.0	140806
MB 880-140806/1-A	Method Blank	Soluble	Solid	300.0	140806
LCS 880-140806/2-A	Lab Control Sample	Soluble	Solid	300.0	140806
LCSD 880-140806/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	140806
880-72280-2 MS	CS- 2 (2.0')	Soluble	Solid	300.0	140806
880-72280-2 MSD	CS- 2 (2.0')	Soluble	Solid	300.0	140806
880-72280-12 MS	CS- 12 (4.0')	Soluble	Solid	300.0	140806
880-72280-12 MSD	CS- 12 (4.0')	Soluble	Solid	300.0	140806

Lab Chronicle

Client: Carmona Resources
Job ID: 880-72280-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County New Mexico

Client Sample ID: CS- 1 (2.0')
Lab Sample ID: 880-72280-1
Date Collected: 05/13/26 10:30
Matrix: Solid
Date Received: 05/13/26 15:00

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	140775	05/14/26 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140768	05/14/26 12:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140850	05/14/26 12:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			140902	05/14/26 15:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	140762	05/14/26 07:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140796	05/14/26 15:08	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	140782	05/14/26 08:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140801	05/14/26 13:08	SMC	EET MID

Client Sample ID: CS- 2 (2.0')
Lab Sample ID: 880-72280-2
Date Collected: 05/13/26 10:33
Matrix: Solid
Date Received: 05/13/26 15:00

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	140775	05/14/26 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140768	05/14/26 12:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140850	05/14/26 12:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			140902	05/14/26 15:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	140762	05/14/26 07:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140796	05/14/26 15:24	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	140806	05/14/26 10:30	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140876	05/14/26 19:14	CS	EET MID

Client Sample ID: CS- 3 (2.0')
Lab Sample ID: 880-72280-3
Date Collected: 05/13/26 10:37
Matrix: Solid
Date Received: 05/13/26 15:00

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	140775	05/14/26 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140768	05/14/26 13:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140850	05/14/26 13:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			140902	05/14/26 15:40	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	140762	05/14/26 07:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140796	05/14/26 15:40	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	140806	05/14/26 10:30	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140876	05/14/26 19:54	CS	EET MID

Client Sample ID: CS- 4 (2.0')
Lab Sample ID: 880-72280-4
Date Collected: 05/13/26 10:41
Matrix: Solid
Date Received: 05/13/26 15:00

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	140775	05/14/26 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140768	05/14/26 14:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140850	05/14/26 14:53	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

Client Sample ID: CS- 4 (2.0')

Lab Sample ID: 880-72280-4
Matrix: Solid
Date Collected: 05/13/26 10:41
Date Received: 05/13/26 15:00

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			140902	05/14/26 15:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	140762	05/14/26 07:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140796	05/14/26 15:56	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	140806	05/14/26 10:30	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140876	05/14/26 20:08	CS	EET MID

Client Sample ID: CS- 5 (2.0')

Lab Sample ID: 880-72280-5
Matrix: Solid
Date Collected: 05/13/26 10:44
Date Received: 05/13/26 15:00

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	140775	05/14/26 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140768	05/14/26 15:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140850	05/14/26 15:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			140902	05/14/26 16:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	140762	05/14/26 07:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140796	05/14/26 16:11	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	140806	05/14/26 10:30	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140876	05/14/26 20:21	CS	EET MID

Client Sample ID: CS- 6 (2.0')

Lab Sample ID: 880-72280-6
Matrix: Solid
Date Collected: 05/13/26 10:48
Date Received: 05/13/26 15:00

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	140775	05/14/26 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140768	05/14/26 15:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140850	05/14/26 15:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			140902	05/14/26 16:27	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	140762	05/14/26 07:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140796	05/14/26 16:27	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	140806	05/14/26 10:30	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140876	05/14/26 20:34	CS	EET MID

Client Sample ID: CS- 7 (3.0')

Lab Sample ID: 880-72280-7
Matrix: Solid
Date Collected: 05/13/26 10:52
Date Received: 05/13/26 15:00

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	140775	05/14/26 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140768	05/14/26 15:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140850	05/14/26 15:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			140902	05/14/26 16:07	SA	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10.00 mL	140763	05/14/26 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140790	05/14/26 16:07	FC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

Client Sample ID: CS- 7 (3.0')

Lab Sample ID: 880-72280-7
Matrix: Solid
Date Collected: 05/13/26 10:52
Date Received: 05/13/26 15:00

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	140806	05/14/26 10:30	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140876	05/14/26 21:14	CS	EET MID

Client Sample ID: CS- 8 (3.0')

Lab Sample ID: 880-72280-8
Matrix: Solid
Date Collected: 05/13/26 10:55
Date Received: 05/13/26 15:00

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	140775	05/14/26 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140768	05/14/26 16:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140850	05/14/26 16:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			140902	05/14/26 16:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	140763	05/14/26 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140790	05/14/26 16:51	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	140806	05/14/26 10:30	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140876	05/14/26 21:28	CS	EET MID

Client Sample ID: CS- 9 (3.0')

Lab Sample ID: 880-72280-9
Matrix: Solid
Date Collected: 05/13/26 10:59
Date Received: 05/13/26 15:00

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	140775	05/14/26 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140768	05/14/26 16:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140850	05/14/26 16:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			140902	05/14/26 17:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	140763	05/14/26 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140790	05/14/26 17:06	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	140806	05/14/26 10:30	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140876	05/14/26 21:41	CS	EET MID

Client Sample ID: CS- 10 (3.0')

Lab Sample ID: 880-72280-10
Matrix: Solid
Date Collected: 05/13/26 11:06
Date Received: 05/13/26 15:00

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	140775	05/14/26 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140768	05/14/26 16:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140850	05/14/26 16:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			140902	05/14/26 17:21	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10.00 mL	140763	05/14/26 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140790	05/14/26 17:21	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	140806	05/14/26 10:30	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140876	05/14/26 21:54	CS	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

Client Sample ID: CS- 11 (4.0')

Lab Sample ID: 880-72280-11
Matrix: Solid
Date Collected: 05/13/26 11:11
Date Received: 05/13/26 15:00

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	140775	05/14/26 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140768	05/14/26 17:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140850	05/14/26 17:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			140902	05/14/26 17:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	140763	05/14/26 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140790	05/14/26 17:35	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	140806	05/14/26 10:30	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140876	05/14/26 22:08	CS	EET MID

Client Sample ID: CS- 12 (4.0')

Lab Sample ID: 880-72280-12
Matrix: Solid
Date Collected: 05/13/26 11:16
Date Received: 05/13/26 15:00

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	140775	05/14/26 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140768	05/14/26 17:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140850	05/14/26 17:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			140902	05/14/26 17:50	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	140763	05/14/26 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140790	05/14/26 17:50	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	140806	05/14/26 10:30	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140876	05/14/26 22:21	CS	EET MID

Client Sample ID: CS- 13 (4.0')

Lab Sample ID: 880-72280-13
Matrix: Solid
Date Collected: 05/13/26 11:21
Date Received: 05/13/26 15:00

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	140775	05/14/26 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140768	05/14/26 17:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140850	05/14/26 17:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			140902	05/14/26 18:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	140763	05/14/26 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140790	05/14/26 18:05	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	140806	05/14/26 10:30	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140876	05/14/26 23:01	CS	EET MID

Client Sample ID: CS- 14 (4.0')

Lab Sample ID: 880-72280-14
Matrix: Solid
Date Collected: 05/13/26 11:24
Date Received: 05/13/26 15:00

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	140774	05/14/26 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140766	05/14/26 17:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140850	05/14/26 17:01	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

Client Sample ID: CS- 14 (4.0')

Lab Sample ID: 880-72280-14
Matrix: Solid
Date Collected: 05/13/26 11:24
Date Received: 05/13/26 15:00

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			140902	05/14/26 18:20	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	140763	05/14/26 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140790	05/14/26 18:20	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	140806	05/14/26 10:30	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140876	05/14/26 23:14	CS	EET MID

Client Sample ID: CS- 15 (4.0')

Lab Sample ID: 880-72280-15
Matrix: Solid
Date Collected: 05/13/26 11:29
Date Received: 05/13/26 15:00

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	140890	05/15/26 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140919	05/15/26 13:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140850	05/15/26 13:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			140902	05/14/26 18:35	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10.00 mL	140763	05/14/26 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140790	05/14/26 18:35	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	140806	05/14/26 10:30	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140876	05/14/26 23:54	CS	EET MID

Client Sample ID: CS- 16 (4.0')

Lab Sample ID: 880-72280-16
Matrix: Solid
Date Collected: 05/13/26 11:34
Date Received: 05/13/26 15:00

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	140774	05/14/26 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140766	05/14/26 17:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140850	05/14/26 17:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			140902	05/14/26 18:49	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	140763	05/14/26 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140790	05/14/26 18:49	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	140782	05/14/26 08:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140801	05/14/26 13:13	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-72280-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. 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: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72280-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-72280-1	CS- 1 (2.0')	Solid	05/13/26 10:30	05/13/26 15:00	New Mexico
880-72280-2	CS- 2 (2.0')	Solid	05/13/26 10:33	05/13/26 15:00	New Mexico
880-72280-3	CS- 3 (2.0')	Solid	05/13/26 10:37	05/13/26 15:00	New Mexico
880-72280-4	CS- 4 (2.0')	Solid	05/13/26 10:41	05/13/26 15:00	New Mexico
880-72280-5	CS- 5 (2.0')	Solid	05/13/26 10:44	05/13/26 15:00	New Mexico
880-72280-6	CS- 6 (2.0')	Solid	05/13/26 10:48	05/13/26 15:00	New Mexico
880-72280-7	CS- 7 (3.0')	Solid	05/13/26 10:52	05/13/26 15:00	New Mexico
880-72280-8	CS- 8 (3.0')	Solid	05/13/26 10:55	05/13/26 15:00	New Mexico
880-72280-9	CS- 9 (3.0')	Solid	05/13/26 10:59	05/13/26 15:00	New Mexico
880-72280-10	CS- 10 (3.0')	Solid	05/13/26 11:06	05/13/26 15:00	New Mexico
880-72280-11	CS- 11 (4.0')	Solid	05/13/26 11:11	05/13/26 15:00	New Mexico
880-72280-12	CS- 12 (4.0')	Solid	05/13/26 11:16	05/13/26 15:00	New Mexico
880-72280-13	CS- 13 (4.0')	Solid	05/13/26 11:21	05/13/26 15:00	New Mexico
880-72280-14	CS- 14 (4.0')	Solid	05/13/26 11:24	05/13/26 15:00	New Mexico
880-72280-15	CS- 15 (4.0')	Solid	05/13/26 11:29	05/13/26 15:00	New Mexico
880-72280-16	CS- 16 (4.0')	Solid	05/13/26 11:34	05/13/26 15:00	New Mexico

Page 257 of 957

Chain of Custody

880-72280 Chain of Custody

880 72280 COC

5/18/2026

Page 1 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	72 HR
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.2
Total Containers:		Corrected Temperature:	3.3

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS-1 (2.0')	5/13/2026	10:30	X		Comp	1	X	X	X		
CS-2 (2.0')	5/13/2026	10:33	X		Comp	1	X	X	X		
CS-3 (2.0')	5/13/2026	10:37	X		Comp	1	X	X	X		
CS-4 (2.0')	5/13/2026	10:41	X		Comp	1	X	X	X		
CS-5 (2.0')	5/13/2026	10:44	X		Comp	1	X	X	X		
CS-6 (2.0')	5/13/2026	10:48	X		Comp	1	X	X	X		
CS-7 (3.0')	5/13/2026	10:52	X		Comp	1	X	X	X		
CS-8 (3.0')	5/13/2026	10:55	X		Comp	1	X	X	X		
CS-9 (3.0')	5/13/2026	10:59	X		Comp	1	X	X	X		
CS-10 (3.0')	5/13/2026	11:06	X		Comp	1	X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5.13.26 1500		5.13.26 1500

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Page 258 of 957

Chain of Custody

Work Order No: _____

5/18/2026

Page 2 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	72 HR
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	TR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.2
Total Containers:		Corrected Temperature:	3.3

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS-11 (4.0')	5/13/2026	11:11	X		Comp	1		X	X	X		
CS-12 (4.0')	5/13/2026	11:16	X		Comp	1		X	X	X		
CS-13 (4.0')	5/13/2026	11:21	X		Comp	1		X	X	X		
CS-14 (4.0')	5/13/2026	11:24	X		Comp	1		X	X	X		
CS-15 (4.0')	5/13/2026	11:29	X		Comp	1		X	X	X		
CS-16 (4.0')	5/13/2026	11:34	X		Comp	1		X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5.13.24 1500		5.13.24 1500

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-72280-1
SDG Number: Lea County New Mexico

Login Number: 72280
List Number: 1
Creator: Neeld, Linsey

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.	True	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/18/2026 10:38:13 AM

JOB DESCRIPTION

Matador Gacalon (03.13.2026)
Lea County New Mexico

JOB NUMBER

880-72284-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 6/23/2026 8:46:47 AM

my EOL

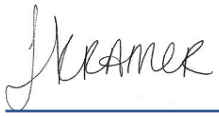
Eurofins Midland

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
5/18/2026 10:38:13 AM

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

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Laboratory Job ID: 880-72284-1
SDG: Lea County New Mexico

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 15
QC Sample Results 17
QC Association Summary 24
Lab Chronicle 28
Certification Summary 32
Method Summary 33
Sample Summary 34
Chain of Custody 35
Receipt Checklists 37

Definitions/Glossary

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
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.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1

Job ID: 880-72284-1 Eurofins Midland

Job Narrative
880-72284-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 5/13/2026 3:00 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 3.3°C.

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-140839 and analytical batch 880-140770 was outside the upper control limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-140839 and analytical batch 880-140770 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 samples were outside control limits: SW- 2 (2.0') (880-72284-2), SW- 3 (2.0') (880-72284-3), SW- 4 (2.0') (880-72284-4), SW- 5 (2.0') (880-72284-5), SW- 6 (2.0') (880-72284-6), SW- 7 (2.0'-3.0') (880-72284-7), SW- 8 (3.0') (880-72284-8) and SW- 10 (3.0') (880-72284-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-140776 and analytical batch 880-140770 was outside the upper control limits.

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

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

Client Sample ID: SW- 1 (2.0')

Lab Sample ID: 880-72284-1
Matrix: Solid
Date Collected: 05/13/26 11:11
Date Received: 05/13/26 15:00

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		05/14/26 12:12	05/14/26 23:39	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		05/14/26 12:12	05/14/26 23:39	1
Ethylbenzene	<0.00200	U F1 F2	0.00200		mg/Kg		05/14/26 12:12	05/14/26 23:39	1
m,p-Xylenes	<0.00399	U F1 F2	0.00399		mg/Kg		05/14/26 12:12	05/14/26 23:39	1
o-Xylene	<0.00200	U F1 F2	0.00200		mg/Kg		05/14/26 12:12	05/14/26 23:39	1
Xylenes, Total	<0.00399	U F1 F2	0.00399		mg/Kg		05/14/26 12:12	05/14/26 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*05/14/26 12:12*	*05/14/26 23:39*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*05/14/26 12:12*	*05/14/26 23:39*	*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			05/14/26 23:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/14/26 19:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/14/26 07:39	05/14/26 19:18	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/14/26 07:39	05/14/26 19:18	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/14/26 07:39	05/14/26 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*101*		*70 - 130*	*05/14/26 07:39*	*05/14/26 19:18*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*05/14/26 07:39*	*05/14/26 19:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			05/14/26 13:18	1

Client Sample ID: SW- 2 (2.0')

Lab Sample ID: 880-72284-2
Matrix: Solid
Date Collected: 05/13/26 11:16
Date Received: 05/13/26 15:00

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		05/14/26 12:12	05/15/26 00:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 12:12	05/15/26 00:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 12:12	05/15/26 00:00	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/14/26 12:12	05/15/26 00:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 12:12	05/15/26 00:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/14/26 12:12	05/15/26 00:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*162*	*S1+*	*70 - 130*	*05/14/26 12:12*	*05/15/26 00:00*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/14/26 12:12*	*05/15/26 00:00*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

Client Sample ID: SW- 2 (2.0')

Lab Sample ID: 880-72284-2
Matrix: Solid
Date Collected: 05/13/26 11:16
Date Received: 05/13/26 15:00

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			05/15/26 00:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/14/26 19:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		05/14/26 07:39	05/14/26 19:33	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/14/26 07:39	05/14/26 19:33	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/14/26 07:39	05/14/26 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*97*		*70 - 130*	*05/14/26 07:39*	*05/14/26 19:33*	*1*
o-Terphenyl (Surr)	*96*		*70 - 130*	*05/14/26 07:39*	*05/14/26 19:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			05/14/26 13:23	1

Client Sample ID: SW- 3 (2.0')

Lab Sample ID: 880-72284-3
Matrix: Solid
Date Collected: 05/13/26 11:21
Date Received: 05/13/26 15:00

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		05/14/26 12:12	05/15/26 00:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/14/26 12:12	05/15/26 00:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/14/26 12:12	05/15/26 00:20	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/14/26 12:12	05/15/26 00:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/14/26 12:12	05/15/26 00:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/14/26 12:12	05/15/26 00:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*242*	*S1+*	*70 - 130*	*05/14/26 12:12*	*05/15/26 00:20*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/14/26 12:12*	*05/15/26 00:20*	*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			05/15/26 00:20	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			05/14/26 19:47	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	<49.9	U	49.9		mg/Kg		05/14/26 07:39	05/14/26 19:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/14/26 07:39	05/14/26 19:47	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

Client Sample ID: SW- 3 (2.0')

Lab Sample ID: 880-72284-3
Matrix: Solid
Date Collected: 05/13/26 11:21
Date Received: 05/13/26 15:00

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		05/14/26 07:39	05/14/26 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*101*		*70 - 130*	*05/14/26 07:39*	*05/14/26 19:47*	*1*
o-Terphenyl (Surr)	*98*		*70 - 130*	*05/14/26 07:39*	*05/14/26 19:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/14/26 13:28	1

Client Sample ID: SW- 4 (2.0')

Lab Sample ID: 880-72284-4
Matrix: Solid
Date Collected: 05/13/26 11:24
Date Received: 05/13/26 15:00

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		05/14/26 12:12	05/15/26 00:41	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/14/26 12:12	05/15/26 00:41	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/14/26 12:12	05/15/26 00:41	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/14/26 12:12	05/15/26 00:41	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/14/26 12:12	05/15/26 00:41	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/14/26 12:12	05/15/26 00:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*152*	*S1+*	*70 - 130*	*05/14/26 12:12*	*05/15/26 00:41*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/14/26 12:12*	*05/15/26 00:41*	*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			05/15/26 00:41	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			05/14/26 20:02	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		05/14/26 07:39	05/14/26 20:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/14/26 07:39	05/14/26 20:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/14/26 07:39	05/14/26 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*05/14/26 07:39*	*05/14/26 20:02*	*1*
o-Terphenyl (Surr)	*96*		*70 - 130*	*05/14/26 07:39*	*05/14/26 20:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/14/26 14:38	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

Client Sample ID: SW- 5 (2.0')

Lab Sample ID: 880-72284-5
Matrix: Solid
Date Collected: 05/13/26 11:29
Date Received: 05/13/26 15:00

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		05/14/26 12:12	05/15/26 01:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 12:12	05/15/26 01:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 12:12	05/15/26 01:01	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		05/14/26 12:12	05/15/26 01:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 12:12	05/15/26 01:01	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/14/26 12:12	05/15/26 01:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*148*	*S1+*	*70 - 130*	*05/14/26 12:12*	*05/15/26 01:01*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/14/26 12:12*	*05/15/26 01:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/15/26 01:01	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			05/14/26 20:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/14/26 07:39	05/14/26 20:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/26 07:39	05/14/26 20:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/26 07:39	05/14/26 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*103*		*70 - 130*	*05/14/26 07:39*	*05/14/26 20:17*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*05/14/26 07:39*	*05/14/26 20:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			05/14/26 13:48	1

Client Sample ID: SW- 6 (2.0')

Lab Sample ID: 880-72284-6
Matrix: Solid
Date Collected: 05/13/26 11:34
Date Received: 05/13/26 15:00

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		05/14/26 12:12	05/15/26 01:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/14/26 12:12	05/15/26 01:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/14/26 12:12	05/15/26 01:22	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/14/26 12:12	05/15/26 01:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/14/26 12:12	05/15/26 01:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/14/26 12:12	05/15/26 01:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*05/14/26 12:12*	*05/15/26 01:22*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/14/26 12:12*	*05/15/26 01:22*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

Client Sample ID: SW- 6 (2.0')

Lab Sample ID: 880-72284-6
Matrix: Solid
Date Collected: 05/13/26 11:34
Date Received: 05/13/26 15:00

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			05/15/26 01:22	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			05/14/26 20:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/14/26 07:39	05/14/26 20:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/26 07:39	05/14/26 20:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/26 07:39	05/14/26 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*96*		*70 - 130*	*05/14/26 07:39*	*05/14/26 20:32*	*1*
o-Terphenyl (Surr)	*94*		*70 - 130*	*05/14/26 07:39*	*05/14/26 20:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			05/14/26 14:03	1

Client Sample ID: SW- 7 (2.0'-3.0')

Lab Sample ID: 880-72284-7
Matrix: Solid
Date Collected: 05/13/26 11:37
Date Received: 05/13/26 15:00

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		05/14/26 12:12	05/15/26 01:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 12:12	05/15/26 01:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 12:12	05/15/26 01:42	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/14/26 12:12	05/15/26 01:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 12:12	05/15/26 01:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/14/26 12:12	05/15/26 01:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*153*	*S1+*	*70 - 130*	*05/14/26 12:12*	*05/15/26 01:42*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/14/26 12:12*	*05/15/26 01:42*	*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			05/15/26 01:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/14/26 20:46	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	<49.9	U	49.9		mg/Kg		05/14/26 07:39	05/14/26 20:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/14/26 07:39	05/14/26 20:46	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

Client Sample ID: SW- 7 (2.0'-3.0')

Lab Sample ID: 880-72284-7
Date Collected: 05/13/26 11:37
Matrix: Solid
Date Received: 05/13/26 15:00

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		05/14/26 07:39	05/14/26 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*105*		*70 - 130*	*05/14/26 07:39*	*05/14/26 20:46*	*1*
o-Terphenyl (Surr)	*105*		*70 - 130*	*05/14/26 07:39*	*05/14/26 20:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			05/14/26 14:08	1

Client Sample ID: SW- 8 (3.0')

Lab Sample ID: 880-72284-8
Date Collected: 05/13/26 11:41
Matrix: Solid
Date Received: 05/13/26 15:00

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		05/14/26 12:12	05/15/26 02:03	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/14/26 12:12	05/15/26 02:03	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/14/26 12:12	05/15/26 02:03	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		05/14/26 12:12	05/15/26 02:03	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/14/26 12:12	05/15/26 02:03	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/14/26 12:12	05/15/26 02:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*170*	*S1+*	*70 - 130*	*05/14/26 12:12*	*05/15/26 02:03*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*05/14/26 12:12*	*05/15/26 02:03*	*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			05/15/26 02:03	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			05/14/26 21:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/14/26 07:39	05/14/26 21:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/26 07:39	05/14/26 21:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/26 07:39	05/14/26 21:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*05/14/26 07:39*	*05/14/26 21:00*	*1*
o-Terphenyl (Surr)	*98*		*70 - 130*	*05/14/26 07:39*	*05/14/26 21:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.6**		9.94		mg/Kg			05/14/26 14:13	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

Client Sample ID: SW- 9 (3.0')

Lab Sample ID: 880-72284-9
Matrix: Solid
Date Collected: 05/13/26 11:45
Date Received: 05/13/26 15:00

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		05/14/26 12:12	05/15/26 02:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 12:12	05/15/26 02:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 12:12	05/15/26 02:23	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/14/26 12:12	05/15/26 02:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 12:12	05/15/26 02:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/14/26 12:12	05/15/26 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*05/14/26 12:12*	*05/15/26 02:23*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*05/14/26 12:12*	*05/15/26 02:23*	*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			05/15/26 02:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/14/26 21:15	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	49.8		mg/Kg		05/14/26 07:39	05/14/26 21:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/26 07:39	05/14/26 21:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/26 07:39	05/14/26 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*05/14/26 07:39*	*05/14/26 21:15*	*1*
o-Terphenyl (Surr)	*88*		*70 - 130*	*05/14/26 07:39*	*05/14/26 21:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			05/14/26 14:18	1

Client Sample ID: SW- 10 (3.0')

Lab Sample ID: 880-72284-10
Matrix: Solid
Date Collected: 05/13/26 11:49
Date Received: 05/13/26 15:00

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		05/14/26 12:12	05/15/26 02:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/14/26 12:12	05/15/26 02:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/14/26 12:12	05/15/26 02:43	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/14/26 12:12	05/15/26 02:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/14/26 12:12	05/15/26 02:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/14/26 12:12	05/15/26 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*	*05/14/26 12:12*	*05/15/26 02:43*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/14/26 12:12*	*05/15/26 02:43*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

Client Sample ID: SW- 10 (3.0')

Lab Sample ID: 880-72284-10
Matrix: Solid
Date Collected: 05/13/26 11:49
Date Received: 05/13/26 15:00

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			05/15/26 02:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/14/26 21:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/14/26 07:39	05/14/26 21:29	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/14/26 07:39	05/14/26 21:29	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/14/26 07:39	05/14/26 21:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*05/14/26 07:39*	*05/14/26 21:29*	*1*
o-Terphenyl (Surr)	*108*		*70 - 130*	*05/14/26 07:39*	*05/14/26 21:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			05/14/26 14:23	1

Client Sample ID: SW- 11 (3.0')

Lab Sample ID: 880-72284-11
Matrix: Solid
Date Collected: 05/13/26 11:53
Date Received: 05/13/26 15:00

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		05/14/26 16:24	05/15/26 16:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:24	05/15/26 16:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:24	05/15/26 16:04	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/14/26 16:24	05/15/26 16:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:24	05/15/26 16:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 16:24	05/15/26 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*05/14/26 16:24*	*05/15/26 16:04*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/14/26 16:24*	*05/15/26 16:04*	*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			05/15/26 16:04	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			05/15/26 10:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/14/26 11:15	05/15/26 10:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/14/26 11:15	05/15/26 10:14	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

Client Sample ID: SW- 11 (3.0')

Date Collected: 05/13/26 11:53
Date Received: 05/13/26 15:00

Lab Sample ID: 880-72284-11

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)	<49.9	U	49.9		mg/Kg		05/14/26 11:15	05/15/26 10:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*83*		*70 - 130*	*05/14/26 11:15*	*05/15/26 10:14*	*1*
o-Terphenyl (Surr)	*85*		*70 - 130*	*05/14/26 11:15*	*05/15/26 10:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			05/14/26 14:28	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-72279-A-3-D MS	Matrix Spike	104	103
880-72279-A-3-E MSD	Matrix Spike Duplicate	98	103
880-72284-1	SW- 1 (2.0')	105	82
880-72284-1 MS	SW- 1 (2.0')	469 S1+	79
880-72284-1 MSD	SW- 1 (2.0')	111	107
880-72284-2	SW- 2 (2.0')	162 S1+	99
880-72284-3	SW- 3 (2.0')	242 S1+	97
880-72284-4	SW- 4 (2.0')	152 S1+	95
880-72284-5	SW- 5 (2.0')	148 S1+	95
880-72284-6	SW- 6 (2.0')	138 S1+	97
880-72284-7	SW- 7 (2.0'-3.0')	153 S1+	95
880-72284-8	SW- 8 (3.0')	170 S1+	106
880-72284-9	SW- 9 (3.0')	130	84
880-72284-10	SW- 10 (3.0')	143 S1+	90
880-72284-11	SW- 11 (3.0')	96	95
LCS 880-140839/1-A	Lab Control Sample	116	103
LCS 880-140885/1-A	Lab Control Sample	95	94
LCSD 880-140839/2-A	Lab Control Sample Dup	119	109
LCSD 880-140885/2-A	Lab Control Sample Dup	98	101
MB 880-140776/5-A	Method Blank	290 S1+	122
MB 880-140839/5-A	Method Blank	348 S1+	120
MB 880-140885/5-A	Method Blank	92	97

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)
880-72280-A-7-B MS	Matrix Spike	107	94
880-72280-A-7-C MSD	Matrix Spike Duplicate	113	90
880-72284-1	SW- 1 (2.0')	101	93
880-72284-2	SW- 2 (2.0')	97	96
880-72284-3	SW- 3 (2.0')	101	98
880-72284-4	SW- 4 (2.0')	99	96
880-72284-5	SW- 5 (2.0')	103	93
880-72284-6	SW- 6 (2.0')	96	94
880-72284-7	SW- 7 (2.0'-3.0')	105	105
880-72284-8	SW- 8 (3.0')	102	98
880-72284-9	SW- 9 (3.0')	92	88
880-72284-10	SW- 10 (3.0')	113	108
880-72284-11	SW- 11 (3.0')	83	85
880-72284-11 MS	SW- 11 (3.0')	98	88
880-72284-11 MSD	SW- 11 (3.0')	98	89
LCS 880-140763/2-A	Lab Control Sample	93	80
LCS 880-140813/2-A	Lab Control Sample	102	90

Surrogate Summary

Client: Carmona Resources Job ID: 880-72284-1
Project/Site: Matador Gacalon (03.13.2026) SDG: Lea County New Mexico

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
LCSD 880-140763/3-A	Lab Control Sample Dup	95	83								
LCSD 880-140813/3-A	Lab Control Sample Dup	101	95								
MB 880-140763/1-A	Method Blank	130	123								
MB 880-140813/1-A	Method Blank	82	86								

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-140776/5-A
Matrix: Solid
Analysis Batch: 140770

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140776

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 11:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 11:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 11:29	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/14/26 08:13	05/14/26 11:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 11:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 08:13	05/14/26 11:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*290*	*S1+*	*70 - 130*	*05/14/26 08:13*	*05/14/26 11:29*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*05/14/26 08:13*	*05/14/26 11:29*	*1*

Lab Sample ID: MB 880-140839/5-A
Matrix: Solid
Analysis Batch: 140770

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140839

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/26 12:12	05/14/26 23:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 12:12	05/14/26 23:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 12:12	05/14/26 23:10	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/14/26 12:12	05/14/26 23:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 12:12	05/14/26 23:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 12:12	05/14/26 23:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*348*	*S1+*	*70 - 130*	*05/14/26 12:12*	*05/14/26 23:10*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*05/14/26 12:12*	*05/14/26 23:10*	*1*

Lab Sample ID: LCS 880-140839/1-A
Matrix: Solid
Analysis Batch: 140770

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140839

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1012		mg/Kg		101	70 - 130
Toluene	0.100	0.09040		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.08754		mg/Kg		88	70 - 130
m,p-Xylenes	0.200	0.2066		mg/Kg		103	70 - 130
o-Xylene	0.100	0.1072		mg/Kg		107	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-140839/2-A
Matrix: Solid
Analysis Batch: 140770

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 140839

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1014		mg/Kg		101	70 - 130	0	35

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCSD 880-140839/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 140770 — **Prep Batch: 140839**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09193		mg/Kg		92	70 - 130	2	35
Ethylbenzene			0.100	0.09571		mg/Kg		96	70 - 130	9	35
m,p-Xylenes			0.200	0.2171		mg/Kg		109	70 - 130	5	35
o-Xylene			0.100	0.1124		mg/Kg		112	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: 880-72284-1 MS — **Client Sample ID: SW- 1 (2.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 140770 — **Prep Batch: 140839**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.07983		mg/Kg		80	70 - 130
Toluene	<0.00200	U F1	0.100	0.05112	F1	mg/Kg		51	70 - 130
Ethylbenzene	<0.00200	U F1 F2	0.100	0.1807	F1	mg/Kg		181	70 - 130
m,p-Xylenes	<0.00399	U F1 F2	0.200	0.5071	F1	mg/Kg		254	70 - 130
o-Xylene	<0.00200	U F1 F2	0.100	0.2717	F1	mg/Kg		272	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*469*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*

Lab Sample ID: 880-72284-1 MSD — **Client Sample ID: SW- 1 (2.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 140770 — **Prep Batch: 140839**

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	0.08196		mg/Kg		82	70 - 130	3	35
Toluene	<0.00200	U F1	0.100	0.06824	F1	mg/Kg		68	70 - 130	29	35
Ethylbenzene	<0.00200	U F1 F2	0.100	0.07191	F2	mg/Kg		72	70 - 130	86	35
m,p-Xylenes	<0.00399	U F1 F2	0.200	0.1775	F2	mg/Kg		89	70 - 130	96	35
o-Xylene	<0.00200	U F1 F2	0.100	0.09182	F2	mg/Kg		92	70 - 130	99	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: MB 880-140885/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 140922 — **Prep Batch: 140885**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:24	05/15/26 11:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:24	05/15/26 11:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:24	05/15/26 11:09	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/14/26 16:24	05/15/26 11:09	1

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-140885/5-A
Matrix: Solid
Analysis Batch: 140922

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140885

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:24	05/15/26 11:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 16:24	05/15/26 11:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*05/14/26 16:24*	*05/15/26 11:09*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/14/26 16:24*	*05/15/26 11:09*	*1*

Lab Sample ID: LCS 880-140885/1-A
Matrix: Solid
Analysis Batch: 140922

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140885

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09619		mg/Kg		96	70 - 130
Toluene	0.100	0.1017		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.09565		mg/Kg		96	70 - 130
m,p-Xylenes	0.200	0.1940		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09724		mg/Kg		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: LCSD 880-140885/2-A
Matrix: Solid
Analysis Batch: 140922

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 140885

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1012		mg/Kg		101	70 - 130	5	35
Toluene	0.100	0.1021		mg/Kg		102	70 - 130	0	35
Ethylbenzene	0.100	0.1006		mg/Kg		101	70 - 130	5	35
m,p-Xylenes	0.200	0.2038		mg/Kg		102	70 - 130	5	35
o-Xylene	0.100	0.1024		mg/Kg		102	70 - 130	5	35

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

Lab Sample ID: 880-72279-A-3-D MS
Matrix: Solid
Analysis Batch: 140922

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 140885

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1006		mg/Kg		101	70 - 130
Toluene	<0.00200	U	0.100	0.1039		mg/Kg		104	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09904		mg/Kg		99	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1986		mg/Kg		99	70 - 130
o-Xylene	<0.00200	U	0.100	0.1013		mg/Kg		101	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72279-A-3-D MS
Matrix: Solid
Analysis Batch: 140922

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 140885

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-72279-A-3-E MSD
Matrix: Solid
Analysis Batch: 140922

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 140885

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	0.08993		mg/Kg		90	70 - 130	11	35
Toluene	<0.00200	U	0.100	0.09289		mg/Kg		93	70 - 130	11	35
Ethylbenzene	<0.00200	U	0.100	0.08700		mg/Kg		87	70 - 130	13	35
m,p-Xylenes	<0.00399	U	0.200	0.1768		mg/Kg		88	70 - 130	12	35
o-Xylene	<0.00200	U	0.100	0.08878		mg/Kg		89	70 - 130	13	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

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

Lab Sample ID: MB 880-140763/1-A
Matrix: Solid
Analysis Batch: 140790

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140763

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		05/14/26 07:38	05/14/26 15:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/26 07:38	05/14/26 15:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/26 07:38	05/14/26 15:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	*130*		*70 - 130*	*05/14/26 07:38*	*05/14/26 15:18*	*1*
o-Terphenyl (Surr)	*123*		*70 - 130*	*05/14/26 07:38*	*05/14/26 15:18*	*1*

Lab Sample ID: LCS 880-140763/2-A
Matrix: Solid
Analysis Batch: 140790

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140763

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	970.2		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1031		mg/Kg		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	*93*		*70 - 130*
o-Terphenyl (Surr)	*80*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCSD 880-140763/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 140790 — **Prep Batch: 140763**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	988.4		mg/Kg		99	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1086		mg/Kg		109	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*95*		*70 - 130*
o-Terphenyl (Surr)	*83*		*70 - 130*

Lab Sample ID: 880-72280-A-7-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 140790 — **Prep Batch: 140763**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	1000	1040		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	<50.3	U	1000	1084		mg/Kg		108	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*107*		*70 - 130*
o-Terphenyl (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-72280-A-7-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 140790 — **Prep Batch: 140763**

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	<50.3	U	1000	1149		mg/Kg		115	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<50.3	U	1000	1068		mg/Kg		107	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*113*		*70 - 130*
o-Terphenyl (Surr)	*90*		*70 - 130*

Lab Sample ID: MB 880-140813/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 140946 — **Prep Batch: 140813**

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		05/14/26 11:15	05/15/26 08:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/26 11:15	05/15/26 08:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/26 11:15	05/15/26 08:34	1

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-140813/1-A
Matrix: Solid
Analysis Batch: 140946

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140813

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130	05/14/26 11:15	05/15/26 08:34	1
o-Terphenyl (Surr)	86		70 - 130	05/14/26 11:15	05/15/26 08:34	1

Lab Sample ID: LCS 880-140813/2-A
Matrix: Solid
Analysis Batch: 140946

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140813

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1015		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	975.4		mg/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	102		70 - 130
o-Terphenyl (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-140813/3-A
Matrix: Solid
Analysis Batch: 140946

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 140813

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1017		mg/Kg		102	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	939.8		mg/Kg		94	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	101		70 - 130
o-Terphenyl (Surr)	95		70 - 130

Lab Sample ID: 880-72284-11 MS
Matrix: Solid
Analysis Batch: 140946

Client Sample ID: SW- 11 (3.0')
Prep Type: Total/NA
Prep Batch: 140813

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	1000	914.1		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	830.6		mg/Kg		83	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	98		70 - 130
o-Terphenyl (Surr)	88		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72284-11 MSD — **Client Sample ID: SW- 11 (3.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 140946 — **Prep Batch: 140813**

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	1000	940.0		mg/Kg		94	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	848.6		mg/Kg		85	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*98*		*70 - 130*
o-Terphenyl (Surr)	*89*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-140782/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 140801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/14/26 11:43	1

Lab Sample ID: LCS 880-140782/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 140801

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	233.8		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-140782/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 140801

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	237.4		mg/Kg		95	90 - 110	2	20

Lab Sample ID: 880-72284-3 MS — **Client Sample ID: SW- 3 (2.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 140801

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<10.0	U	251	247.8		mg/Kg		96	90 - 110

Lab Sample ID: 880-72284-3 MSD — **Client Sample ID: SW- 3 (2.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 140801

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<10.0	U	251	254.3		mg/Kg		99	90 - 110	3	20

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

GC VOA

Analysis Batch: 140770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72284-1	SW- 1 (2.0')	Total/NA	Solid	8021B	140839
880-72284-2	SW- 2 (2.0')	Total/NA	Solid	8021B	140839
880-72284-3	SW- 3 (2.0')	Total/NA	Solid	8021B	140839
880-72284-4	SW- 4 (2.0')	Total/NA	Solid	8021B	140839
880-72284-5	SW- 5 (2.0')	Total/NA	Solid	8021B	140839
880-72284-6	SW- 6 (2.0')	Total/NA	Solid	8021B	140839
880-72284-7	SW- 7 (2.0'-3.0')	Total/NA	Solid	8021B	140839
880-72284-8	SW- 8 (3.0')	Total/NA	Solid	8021B	140839
880-72284-9	SW- 9 (3.0')	Total/NA	Solid	8021B	140839
880-72284-10	SW- 10 (3.0')	Total/NA	Solid	8021B	140839
MB 880-140776/5-A	Method Blank	Total/NA	Solid	8021B	140776
MB 880-140839/5-A	Method Blank	Total/NA	Solid	8021B	140839
LCS 880-140839/1-A	Lab Control Sample	Total/NA	Solid	8021B	140839
LCSD 880-140839/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	140839
880-72284-1 MS	SW- 1 (2.0')	Total/NA	Solid	8021B	140839
880-72284-1 MSD	SW- 1 (2.0')	Total/NA	Solid	8021B	140839

Prep Batch: 140776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-140776/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 140839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72284-1	SW- 1 (2.0')	Total/NA	Solid	5035	
880-72284-2	SW- 2 (2.0')	Total/NA	Solid	5035	
880-72284-3	SW- 3 (2.0')	Total/NA	Solid	5035	
880-72284-4	SW- 4 (2.0')	Total/NA	Solid	5035	
880-72284-5	SW- 5 (2.0')	Total/NA	Solid	5035	
880-72284-6	SW- 6 (2.0')	Total/NA	Solid	5035	
880-72284-7	SW- 7 (2.0'-3.0')	Total/NA	Solid	5035	
880-72284-8	SW- 8 (3.0')	Total/NA	Solid	5035	
880-72284-9	SW- 9 (3.0')	Total/NA	Solid	5035	
880-72284-10	SW- 10 (3.0')	Total/NA	Solid	5035	
MB 880-140839/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-140839/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-140839/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-72284-1 MS	SW- 1 (2.0')	Total/NA	Solid	5035	
880-72284-1 MSD	SW- 1 (2.0')	Total/NA	Solid	5035	

Prep Batch: 140885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72284-11	SW- 11 (3.0')	Total/NA	Solid	5035	
MB 880-140885/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-140885/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-140885/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-72279-A-3-D MS	Matrix Spike	Total/NA	Solid	5035	
880-72279-A-3-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 140922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72284-11	SW- 11 (3.0')	Total/NA	Solid	8021B	140885

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

GC VOA (Continued)

Analysis Batch: 140922 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-140885/5-A	Method Blank	Total/NA	Solid	8021B	140885
LCS 880-140885/1-A	Lab Control Sample	Total/NA	Solid	8021B	140885
LCSD 880-140885/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	140885
880-72279-A-3-D MS	Matrix Spike	Total/NA	Solid	8021B	140885
880-72279-A-3-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	140885

Analysis Batch: 140993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72284-1	SW- 1 (2.0')	Total/NA	Solid	Total BTEX	
880-72284-2	SW- 2 (2.0')	Total/NA	Solid	Total BTEX	
880-72284-3	SW- 3 (2.0')	Total/NA	Solid	Total BTEX	
880-72284-4	SW- 4 (2.0')	Total/NA	Solid	Total BTEX	
880-72284-5	SW- 5 (2.0')	Total/NA	Solid	Total BTEX	
880-72284-6	SW- 6 (2.0')	Total/NA	Solid	Total BTEX	
880-72284-7	SW- 7 (2.0'-3.0')	Total/NA	Solid	Total BTEX	
880-72284-8	SW- 8 (3.0')	Total/NA	Solid	Total BTEX	
880-72284-9	SW- 9 (3.0')	Total/NA	Solid	Total BTEX	
880-72284-10	SW- 10 (3.0')	Total/NA	Solid	Total BTEX	
880-72284-11	SW- 11 (3.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 140763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72284-1	SW- 1 (2.0')	Total/NA	Solid	8015NM Prep	
880-72284-2	SW- 2 (2.0')	Total/NA	Solid	8015NM Prep	
880-72284-3	SW- 3 (2.0')	Total/NA	Solid	8015NM Prep	
880-72284-4	SW- 4 (2.0')	Total/NA	Solid	8015NM Prep	
880-72284-5	SW- 5 (2.0')	Total/NA	Solid	8015NM Prep	
880-72284-6	SW- 6 (2.0')	Total/NA	Solid	8015NM Prep	
880-72284-7	SW- 7 (2.0'-3.0')	Total/NA	Solid	8015NM Prep	
880-72284-8	SW- 8 (3.0')	Total/NA	Solid	8015NM Prep	
880-72284-9	SW- 9 (3.0')	Total/NA	Solid	8015NM Prep	
880-72284-10	SW- 10 (3.0')	Total/NA	Solid	8015NM Prep	
MB 880-140763/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-140763/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-140763/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-72280-A-7-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-72280-A-7-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 140790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72284-1	SW- 1 (2.0')	Total/NA	Solid	8015B NM	140763
880-72284-2	SW- 2 (2.0')	Total/NA	Solid	8015B NM	140763
880-72284-3	SW- 3 (2.0')	Total/NA	Solid	8015B NM	140763
880-72284-4	SW- 4 (2.0')	Total/NA	Solid	8015B NM	140763
880-72284-5	SW- 5 (2.0')	Total/NA	Solid	8015B NM	140763
880-72284-6	SW- 6 (2.0')	Total/NA	Solid	8015B NM	140763
880-72284-7	SW- 7 (2.0'-3.0')	Total/NA	Solid	8015B NM	140763
880-72284-8	SW- 8 (3.0')	Total/NA	Solid	8015B NM	140763
880-72284-9	SW- 9 (3.0')	Total/NA	Solid	8015B NM	140763

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 140790 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72284-10	SW- 10 (3.0')	Total/NA	Solid	8015B NM	140763
MB 880-140763/1-A	Method Blank	Total/NA	Solid	8015B NM	140763
LCS 880-140763/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	140763
LCSD 880-140763/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	140763
880-72280-A-7-B MS	Matrix Spike	Total/NA	Solid	8015B NM	140763
880-72280-A-7-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	140763

Prep Batch: 140813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72284-11	SW- 11 (3.0')	Total/NA	Solid	8015NM Prep	
MB 880-140813/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-140813/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-140813/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-72284-11 MS	SW- 11 (3.0')	Total/NA	Solid	8015NM Prep	
880-72284-11 MSD	SW- 11 (3.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 140946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72284-11	SW- 11 (3.0')	Total/NA	Solid	8015B NM	140813
MB 880-140813/1-A	Method Blank	Total/NA	Solid	8015B NM	140813
LCS 880-140813/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	140813
LCSD 880-140813/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	140813
880-72284-11 MS	SW- 11 (3.0')	Total/NA	Solid	8015B NM	140813
880-72284-11 MSD	SW- 11 (3.0')	Total/NA	Solid	8015B NM	140813

Analysis Batch: 140981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72284-1	SW- 1 (2.0')	Total/NA	Solid	8015 NM	
880-72284-2	SW- 2 (2.0')	Total/NA	Solid	8015 NM	
880-72284-3	SW- 3 (2.0')	Total/NA	Solid	8015 NM	
880-72284-4	SW- 4 (2.0')	Total/NA	Solid	8015 NM	
880-72284-5	SW- 5 (2.0')	Total/NA	Solid	8015 NM	
880-72284-6	SW- 6 (2.0')	Total/NA	Solid	8015 NM	
880-72284-7	SW- 7 (2.0'-3.0')	Total/NA	Solid	8015 NM	
880-72284-8	SW- 8 (3.0')	Total/NA	Solid	8015 NM	
880-72284-9	SW- 9 (3.0')	Total/NA	Solid	8015 NM	
880-72284-10	SW- 10 (3.0')	Total/NA	Solid	8015 NM	
880-72284-11	SW- 11 (3.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 140782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72284-1	SW- 1 (2.0')	Soluble	Solid	DI Leach	
880-72284-2	SW- 2 (2.0')	Soluble	Solid	DI Leach	
880-72284-3	SW- 3 (2.0')	Soluble	Solid	DI Leach	
880-72284-4	SW- 4 (2.0')	Soluble	Solid	DI Leach	
880-72284-5	SW- 5 (2.0')	Soluble	Solid	DI Leach	
880-72284-6	SW- 6 (2.0')	Soluble	Solid	DI Leach	
880-72284-7	SW- 7 (2.0'-3.0')	Soluble	Solid	DI Leach	
880-72284-8	SW- 8 (3.0')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

HPLC/IC (Continued)

Leach Batch: 140782 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72284-9	SW- 9 (3.0')	Soluble	Solid	DI Leach	
880-72284-10	SW- 10 (3.0')	Soluble	Solid	DI Leach	
880-72284-11	SW- 11 (3.0')	Soluble	Solid	DI Leach	
MB 880-140782/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-140782/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-140782/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-72284-3 MS	SW- 3 (2.0')	Soluble	Solid	DI Leach	
880-72284-3 MSD	SW- 3 (2.0')	Soluble	Solid	DI Leach	

Analysis Batch: 140801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72284-1	SW- 1 (2.0')	Soluble	Solid	300.0	140782
880-72284-2	SW- 2 (2.0')	Soluble	Solid	300.0	140782
880-72284-3	SW- 3 (2.0')	Soluble	Solid	300.0	140782
880-72284-4	SW- 4 (2.0')	Soluble	Solid	300.0	140782
880-72284-5	SW- 5 (2.0')	Soluble	Solid	300.0	140782
880-72284-6	SW- 6 (2.0')	Soluble	Solid	300.0	140782
880-72284-7	SW- 7 (2.0'-3.0')	Soluble	Solid	300.0	140782
880-72284-8	SW- 8 (3.0')	Soluble	Solid	300.0	140782
880-72284-9	SW- 9 (3.0')	Soluble	Solid	300.0	140782
880-72284-10	SW- 10 (3.0')	Soluble	Solid	300.0	140782
880-72284-11	SW- 11 (3.0')	Soluble	Solid	300.0	140782
MB 880-140782/1-A	Method Blank	Soluble	Solid	300.0	140782
LCS 880-140782/2-A	Lab Control Sample	Soluble	Solid	300.0	140782
LCSD 880-140782/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	140782
880-72284-3 MS	SW- 3 (2.0')	Soluble	Solid	300.0	140782
880-72284-3 MSD	SW- 3 (2.0')	Soluble	Solid	300.0	140782

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

Client Sample ID: SW- 1 (2.0')

Lab Sample ID: 880-72284-1
Matrix: Solid
Date Collected: 05/13/26 11:11
Date Received: 05/13/26 15:00

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	140839	05/14/26 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140770	05/14/26 23:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140993	05/14/26 23:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			140981	05/14/26 19:18	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	140763	05/14/26 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140790	05/14/26 19:18	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	140782	05/14/26 08:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140801	05/14/26 13:18	SMC	EET MID

Client Sample ID: SW- 2 (2.0')

Lab Sample ID: 880-72284-2
Matrix: Solid
Date Collected: 05/13/26 11:16
Date Received: 05/13/26 15:00

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	140839	05/14/26 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140770	05/15/26 00:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140993	05/15/26 00:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			140981	05/14/26 19:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	140763	05/14/26 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140790	05/14/26 19:33	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	140782	05/14/26 08:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140801	05/14/26 13:23	SMC	EET MID

Client Sample ID: SW- 3 (2.0')

Lab Sample ID: 880-72284-3
Matrix: Solid
Date Collected: 05/13/26 11:21
Date Received: 05/13/26 15:00

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	140839	05/14/26 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140770	05/15/26 00:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140993	05/15/26 00:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			140981	05/14/26 19:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	140763	05/14/26 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140790	05/14/26 19:47	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	140782	05/14/26 08:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140801	05/14/26 13:28	SMC	EET MID

Client Sample ID: SW- 4 (2.0')

Lab Sample ID: 880-72284-4
Matrix: Solid
Date Collected: 05/13/26 11:24
Date Received: 05/13/26 15:00

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	140839	05/14/26 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140770	05/15/26 00:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140993	05/15/26 00:41	SA	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

Client Sample ID: SW- 4 (2.0')

Lab Sample ID: 880-72284-4
Matrix: Solid
Date Collected: 05/13/26 11:24
Date Received: 05/13/26 15:00

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			140981	05/14/26 20:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	140763	05/14/26 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140790	05/14/26 20:02	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	140782	05/14/26 08:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140801	05/14/26 14:38	SMC	EET MID

Client Sample ID: SW- 5 (2.0')

Lab Sample ID: 880-72284-5
Matrix: Solid
Date Collected: 05/13/26 11:29
Date Received: 05/13/26 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	140839	05/14/26 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140770	05/15/26 01:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140993	05/15/26 01:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			140981	05/14/26 20:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	140763	05/14/26 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140790	05/14/26 20:17	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	140782	05/14/26 08:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140801	05/14/26 13:48	SMC	EET MID

Client Sample ID: SW- 6 (2.0')

Lab Sample ID: 880-72284-6
Matrix: Solid
Date Collected: 05/13/26 11:34
Date Received: 05/13/26 15:00

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	140839	05/14/26 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140770	05/15/26 01:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140993	05/15/26 01:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			140981	05/14/26 20:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	140763	05/14/26 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140790	05/14/26 20:32	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	140782	05/14/26 08:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140801	05/14/26 14:03	SMC	EET MID

Client Sample ID: SW- 7 (2.0'-3.0')

Lab Sample ID: 880-72284-7
Matrix: Solid
Date Collected: 05/13/26 11:37
Date Received: 05/13/26 15:00

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	140839	05/14/26 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140770	05/15/26 01:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140993	05/15/26 01:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			140981	05/14/26 20:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	140763	05/14/26 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140790	05/14/26 20:46	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

Client Sample ID: SW- 7 (2.0'-3.0')

Lab Sample ID: 880-72284-7
Matrix: Solid
Date Collected: 05/13/26 11:37
Date Received: 05/13/26 15:00

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	140782	05/14/26 08:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140801	05/14/26 14:08	SMC	EET MID

Client Sample ID: SW- 8 (3.0')

Lab Sample ID: 880-72284-8
Matrix: Solid
Date Collected: 05/13/26 11:41
Date Received: 05/13/26 15:00

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	140839	05/14/26 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140770	05/15/26 02:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140993	05/15/26 02:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			140981	05/14/26 21:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	140763	05/14/26 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140790	05/14/26 21:00	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	140782	05/14/26 08:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140801	05/14/26 14:13	SMC	EET MID

Client Sample ID: SW- 9 (3.0')

Lab Sample ID: 880-72284-9
Matrix: Solid
Date Collected: 05/13/26 11:45
Date Received: 05/13/26 15:00

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	140839	05/14/26 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140770	05/15/26 02:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140993	05/15/26 02:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			140981	05/14/26 21:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	140763	05/14/26 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140790	05/14/26 21:15	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	140782	05/14/26 08:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140801	05/14/26 14:18	SMC	EET MID

Client Sample ID: SW- 10 (3.0')

Lab Sample ID: 880-72284-10
Matrix: Solid
Date Collected: 05/13/26 11:49
Date Received: 05/13/26 15:00

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	140839	05/14/26 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140770	05/15/26 02:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140993	05/15/26 02:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			140981	05/14/26 21:29	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	140763	05/14/26 07:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140790	05/14/26 21:29	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	140782	05/14/26 08:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140801	05/14/26 14:23	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

Client Sample ID: SW- 11 (3.0')

Date Collected: 05/13/26 11:53
Date Received: 05/13/26 15:00

Lab Sample ID: 880-72284-11

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			5.00 g	5 mL	140885	05/14/26 16:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140922	05/15/26 16:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140993	05/15/26 16:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			140981	05/15/26 10:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	140813	05/14/26 11:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140946	05/15/26 10:14	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	140782	05/14/26 08:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140801	05/14/26 14:28	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-72284-1
Project/Site: Matador Gacalon (03.13.2026)
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. 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: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72284-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-72284-1	SW- 1 (2.0')	Solid	05/13/26 11:11	05/13/26 15:00	New Mexico
880-72284-2	SW- 2 (2.0')	Solid	05/13/26 11:16	05/13/26 15:00	New Mexico
880-72284-3	SW- 3 (2.0')	Solid	05/13/26 11:21	05/13/26 15:00	New Mexico
880-72284-4	SW- 4 (2.0')	Solid	05/13/26 11:24	05/13/26 15:00	New Mexico
880-72284-5	SW- 5 (2.0')	Solid	05/13/26 11:29	05/13/26 15:00	New Mexico
880-72284-6	SW- 6 (2.0')	Solid	05/13/26 11:34	05/13/26 15:00	New Mexico
880-72284-7	SW- 7 (2.0'-3.0')	Solid	05/13/26 11:37	05/13/26 15:00	New Mexico
880-72284-8	SW- 8 (3.0')	Solid	05/13/26 11:41	05/13/26 15:00	New Mexico
880-72284-9	SW- 9 (3.0')	Solid	05/13/26 11:45	05/13/26 15:00	New Mexico
880-72284-10	SW- 10 (3.0')	Solid	05/13/26 11:49	05/13/26 15:00	New Mexico
880-72284-11	SW- 11 (3.0')	Solid	05/13/26 11:53	05/13/26 15:00	New Mexico

Page 294 of 957

Chain of Custody

880-72284 Chain of Custody

880-72284 COC

5/18/2026

Page 1 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	72 HR
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID:	IR5	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.1	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.2	
Total Containers:		Corrected Temperature:	3.3	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
SW-1 (2.0')	5/13/2026	11:11	X		Comp	1	X	X	X		
SW-2 (2.0')	5/13/2026	11:16	X		Comp	1	X	X	X		
SW-3 (2.0')	5/13/2026	11:21	X		Comp	1	X	X	X		
SW-4 (2.0')	5/13/2026	11:24	X		Comp	1	X	X	X		
SW-5 (2.0')	5/13/2026	11:29	X		Comp	1	X	X	X		
SW-6 (2.0')	5/13/2026	11:34	X		Comp	1	X	X	X		
SW-7 (2.0'-3.0')	5/13/2026	11:37	X		Comp	1	X	X	X		
SW-8 (3.0')	5/13/2026	11:41	X		Comp	1	X	X	X		
SW-9 (3.0')	5/13/2026	11:45	X		Comp	1	X	X	X		
SW-10 (3.0')	5/13/2026	11:49	X		Comp	1	X	X	X		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5.13.26 1500		5.13.26 1500

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Page 295 of 957

Chain of Custody

Work Order No: _____

5/18/2026

Page 2 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	72 HR
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID:	IR5	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.1	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.2	
Total Containers:		Corrected Temperature:	3.3	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
SW-11 (3.0)	5/13/2026	11:53	X		Comp	1		X	X	X		

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5.13.24 1500		5.13.24 1500

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-72284-1
SDG Number: Lea County New Mexico

Login Number: 72284
List Number: 1
Creator: Neeld, Linsey

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.	True	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/18/2026 11:38:43 AM

JOB DESCRIPTION

Matador Gavalon (03.13.2026)
Lea County New Mexico

JOB NUMBER

880-72335-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 6/23/2026 8:46:47 AM

my EOL

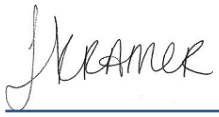
Eurofins Midland

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
5/18/2026 11:38:43 AM

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

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Laboratory Job ID: 880-72335-1
SDG: Lea County New Mexico

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 15
QC Sample Results 17
QC Association Summary 24
Lab Chronicle 28
Certification Summary 32
Method Summary 33
Sample Summary 34
Chain of Custody 35
Receipt Checklists 37

Definitions/Glossary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1

Job ID: 880-72335-1 Eurofins Midland

Job Narrative
880-72335-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 5/14/2026 3:33 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 5.9°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-17(2.0') (880-72335-1), CS-18(2.0') (880-72335-2), CS-19(2.0') (880-72335-3), CS-20(2.0') (880-72335-4), CS-21(2.0') (880-72335-5), CS-22(2.0') (880-72335-6), CS-23(2.0') (880-72335-7), CS-24(2.0') (880-72335-8), CS-25(2.0') (880-72335-9), CS-26(2.0') (880-72335-10) and CS-27(2.0') (880-72335-11).

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

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

HPLC/IC
Method 300.0 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-140955 and analytical batch 880-140964 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 300.0 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-140956 and analytical batch 880-140971 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.

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

Client Sample ID: CS-17(2.0')

Lab Sample ID: 880-72335-1
Matrix: Solid
Date Collected: 05/14/26 10:03
Date Received: 05/14/26 15:33

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		05/15/26 13:54	05/15/26 22:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/15/26 22:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/15/26 22:20	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/15/26 13:54	05/15/26 22:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/15/26 22:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/15/26 13:54	05/15/26 22:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*05/15/26 13:54*	*05/15/26 22:20*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/15/26 13:54*	*05/15/26 22:20*	*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			05/15/26 22:20	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			05/15/26 20:04	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	<49.9	U	49.9		mg/Kg		05/14/26 15:55	05/15/26 20:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/14/26 15:55	05/15/26 20:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/14/26 15:55	05/15/26 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*05/14/26 15:55*	*05/15/26 20:04*	*1*
o-Terphenyl (Surr)	*88*		*70 - 130*	*05/14/26 15:55*	*05/15/26 20:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42.1**	**F1**	10.0		mg/Kg			05/15/26 21:17	1

Client Sample ID: CS-18(2.0')

Lab Sample ID: 880-72335-2
Matrix: Solid
Date Collected: 05/14/26 10:07
Date Received: 05/14/26 15:33

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		05/15/26 13:54	05/15/26 22:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/15/26 22:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/15/26 22:41	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/15/26 13:54	05/15/26 22:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/15/26 22:41	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/15/26 13:54	05/15/26 22:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*05/15/26 13:54*	*05/15/26 22:41*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/15/26 13:54*	*05/15/26 22:41*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

Client Sample ID: CS-18(2.0')

Date Collected: 05/14/26 10:07
Date Received: 05/14/26 15:33

Lab Sample ID: 880-72335-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/15/26 22:41	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			05/15/26 20:19	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		05/14/26 15:55	05/15/26 20:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/26 15:55	05/15/26 20:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/26 15:55	05/15/26 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*05/14/26 15:55*	*05/15/26 20:19*	*1*
o-Terphenyl (Surr)	*87*		*70 - 130*	*05/14/26 15:55*	*05/15/26 20:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**50.5**		10.1		mg/Kg			05/15/26 21:32	1

Client Sample ID: CS-19(2.0')

Date Collected: 05/14/26 10:10
Date Received: 05/14/26 15:33

Lab Sample ID: 880-72335-3
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		05/15/26 13:54	05/15/26 23:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/15/26 13:54	05/15/26 23:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/15/26 13:54	05/15/26 23:02	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/15/26 13:54	05/15/26 23:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/15/26 13:54	05/15/26 23:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/15/26 13:54	05/15/26 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*05/15/26 13:54*	*05/15/26 23:02*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/15/26 13:54*	*05/15/26 23:02*	*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			05/15/26 23:02	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			05/15/26 20:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/14/26 15:55	05/15/26 20:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/26 15:55	05/15/26 20:33	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

Client Sample ID: CS-19(2.0')

Lab Sample ID: 880-72335-3
Matrix: Solid
Date Collected: 05/14/26 10:10
Date Received: 05/14/26 15:33

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		05/14/26 15:55	05/15/26 20:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*88*		*70 - 130*	*05/14/26 15:55*	*05/15/26 20:33*	*1*
o-Terphenyl (Surr)	*82*		*70 - 130*	*05/14/26 15:55*	*05/15/26 20:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.2**		10.1		mg/Kg			05/15/26 21:37	1

Client Sample ID: CS-20(2.0')

Lab Sample ID: 880-72335-4
Matrix: Solid
Date Collected: 05/14/26 10:14
Date Received: 05/14/26 15:33

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		05/15/26 13:54	05/15/26 23:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/15/26 13:54	05/15/26 23:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/15/26 13:54	05/15/26 23:23	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/15/26 13:54	05/15/26 23:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/15/26 13:54	05/15/26 23:23	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/15/26 13:54	05/15/26 23:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*05/15/26 13:54*	*05/15/26 23:23*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/15/26 13:54*	*05/15/26 23:23*	*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			05/15/26 23:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/26 20:47	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	49.8		mg/Kg		05/14/26 15:55	05/15/26 20:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/26 15:55	05/15/26 20:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/26 15:55	05/15/26 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*87*		*70 - 130*	*05/14/26 15:55*	*05/15/26 20:47*	*1*
o-Terphenyl (Surr)	*80*		*70 - 130*	*05/14/26 15:55*	*05/15/26 20:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			05/15/26 21:42	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

Client Sample ID: CS-21(2.0')

Lab Sample ID: 880-72335-5
Matrix: Solid
Date Collected: 05/14/26 10:19
Date Received: 05/14/26 15:33

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		05/15/26 13:54	05/15/26 23:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/15/26 23:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/15/26 23:44	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		05/15/26 13:54	05/15/26 23:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/15/26 23:44	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/15/26 13:54	05/15/26 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*05/15/26 13:54*	*05/15/26 23:44*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/15/26 13:54*	*05/15/26 23:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/15/26 23:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/15/26 21:02	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	<50.1	U	50.1		mg/Kg		05/14/26 15:55	05/15/26 21:02	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/14/26 15:55	05/15/26 21:02	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/14/26 15:55	05/15/26 21:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*90*		*70 - 130*	*05/14/26 15:55*	*05/15/26 21:02*	*1*
o-Terphenyl (Surr)	*85*		*70 - 130*	*05/14/26 15:55*	*05/15/26 21:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/15/26 21:47	1

Client Sample ID: CS-22(2.0')

Lab Sample ID: 880-72335-6
Matrix: Solid
Date Collected: 05/14/26 10:24
Date Received: 05/14/26 15:33

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		05/15/26 13:54	05/16/26 00:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/15/26 13:54	05/16/26 00:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/15/26 13:54	05/16/26 00:05	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/15/26 13:54	05/16/26 00:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/15/26 13:54	05/16/26 00:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/15/26 13:54	05/16/26 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*05/15/26 13:54*	*05/16/26 00:05*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/15/26 13:54*	*05/16/26 00:05*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

Client Sample ID: CS-22(2.0')

Lab Sample ID: 880-72335-6
Matrix: Solid
Date Collected: 05/14/26 10:24
Date Received: 05/14/26 15:33

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			05/16/26 00:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			05/15/26 21:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		05/14/26 15:55	05/15/26 21:16	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		05/14/26 15:55	05/15/26 21:16	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		05/14/26 15:55	05/15/26 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*91*		*70 - 130*	*05/14/26 15:55*	*05/15/26 21:16*	*1*
o-Terphenyl (Surr)	*88*		*70 - 130*	*05/14/26 15:55*	*05/15/26 21:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.7**		10.0		mg/Kg			05/15/26 22:02	1

Client Sample ID: CS-23(2.0')

Lab Sample ID: 880-72335-7
Matrix: Solid
Date Collected: 05/14/26 10:35
Date Received: 05/14/26 15:33

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		05/15/26 13:54	05/16/26 00:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/16/26 00:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/16/26 00:26	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/15/26 13:54	05/16/26 00:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/16/26 00:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/15/26 13:54	05/16/26 00:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*05/15/26 13:54*	*05/16/26 00:26*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/15/26 13:54*	*05/16/26 00:26*	*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			05/16/26 00:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			05/15/26 21:31	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	<50.2	U	50.2		mg/Kg		05/14/26 15:55	05/15/26 21:31	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		05/14/26 15:55	05/15/26 21:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

Client Sample ID: CS-23(2.0')

Lab Sample ID: 880-72335-7
Matrix: Solid
Date Collected: 05/14/26 10:35
Date Received: 05/14/26 15:33

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)	<50.2	U	50.2		mg/Kg		05/14/26 15:55	05/15/26 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*88*		*70 - 130*	*05/14/26 15:55*	*05/15/26 21:31*	*1*
o-Terphenyl (Surr)	*84*		*70 - 130*	*05/14/26 15:55*	*05/15/26 21:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**69.7**		9.98		mg/Kg			05/15/26 22:07	1

Client Sample ID: CS-24(2.0')

Lab Sample ID: 880-72335-8
Matrix: Solid
Date Collected: 05/14/26 10:38
Date Received: 05/14/26 15:33

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		05/15/26 13:54	05/16/26 00:46	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/15/26 13:54	05/16/26 00:46	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/15/26 13:54	05/16/26 00:46	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		05/15/26 13:54	05/16/26 00:46	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/15/26 13:54	05/16/26 00:46	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/15/26 13:54	05/16/26 00:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*05/15/26 13:54*	*05/16/26 00:46*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/15/26 13:54*	*05/16/26 00:46*	*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			05/16/26 00:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/15/26 21:45	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	<50.1	U	50.1		mg/Kg		05/14/26 15:55	05/15/26 21:45	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/14/26 15:55	05/15/26 21:45	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/14/26 15:55	05/15/26 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*05/14/26 15:55*	*05/15/26 21:45*	*1*
o-Terphenyl (Surr)	*85*		*70 - 130*	*05/14/26 15:55*	*05/15/26 21:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			05/15/26 22:12	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

Client Sample ID: CS-25(2.0')

Lab Sample ID: 880-72335-9
Matrix: Solid
Date Collected: 05/14/26 10:42
Date Received: 05/14/26 15:33

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		05/15/26 13:54	05/16/26 01:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/16/26 01:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/16/26 01:07	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/15/26 13:54	05/16/26 01:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/16/26 01:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/15/26 13:54	05/16/26 01:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*05/15/26 13:54*	*05/16/26 01:07*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/15/26 13:54*	*05/16/26 01:07*	*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			05/16/26 01:07	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			05/15/26 22:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/14/26 15:55	05/15/26 22:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/26 15:55	05/15/26 22:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/26 15:55	05/15/26 22:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*87*		*70 - 130*	*05/14/26 15:55*	*05/15/26 22:00*	*1*
o-Terphenyl (Surr)	*84*		*70 - 130*	*05/14/26 15:55*	*05/15/26 22:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.6**		10.1		mg/Kg			05/15/26 22:17	1

Client Sample ID: CS-26(2.0')

Lab Sample ID: 880-72335-10
Matrix: Solid
Date Collected: 05/14/26 10:46
Date Received: 05/14/26 15:33

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		05/15/26 13:54	05/16/26 01:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/15/26 13:54	05/16/26 01:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/15/26 13:54	05/16/26 01:28	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/15/26 13:54	05/16/26 01:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/15/26 13:54	05/16/26 01:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/15/26 13:54	05/16/26 01:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*05/15/26 13:54*	*05/16/26 01:28*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/15/26 13:54*	*05/16/26 01:28*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

Client Sample ID: CS-26(2.0')

Date Collected: 05/14/26 10:46
Date Received: 05/14/26 15:33

Lab Sample ID: 880-72335-10
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			05/16/26 01:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/15/26 22:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/14/26 15:55	05/15/26 22:14	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/14/26 15:55	05/15/26 22:14	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/14/26 15:55	05/15/26 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*05/14/26 15:55*	*05/15/26 22:14*	*1*
o-Terphenyl (Surr)	*87*		*70 - 130*	*05/14/26 15:55*	*05/15/26 22:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.0**		10.0		mg/Kg			05/15/26 22:22	1

Client Sample ID: CS-27(2.0')

Date Collected: 05/14/26 10:52
Date Received: 05/14/26 15:33

Lab Sample ID: 880-72335-11
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		05/15/26 13:54	05/16/26 03:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/16/26 03:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/16/26 03:34	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/15/26 13:54	05/16/26 03:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/16/26 03:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/15/26 13:54	05/16/26 03:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*05/15/26 13:54*	*05/16/26 03:34*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/15/26 13:54*	*05/16/26 03:34*	*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			05/16/26 03:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/15/26 11:41	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	<50.1	U	50.1		mg/Kg		05/14/26 17:03	05/15/26 11:41	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/14/26 17:03	05/15/26 11:41	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

Client Sample ID: CS-27(2.0')

Date Collected: 05/14/26 10:52
Date Received: 05/14/26 15:33

Lab Sample ID: 880-72335-11

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)	<50.1	U	50.1		mg/Kg		05/14/26 17:03	05/15/26 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*05/14/26 17:03*	*05/15/26 11:41*	*1*
o-Terphenyl (Surr)	*96*		*70 - 130*	*05/14/26 17:03*	*05/15/26 11:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**162**	**F1**	10.1		mg/Kg			05/15/26 18:22	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-71106-A-17-C MB	Method Blank	98	84
880-71106-A-18-A MB	Method Blank	99	99
880-72335-1	CS-17(2.0')	108	105
880-72335-1 MS	CS-17(2.0')	103	99
880-72335-1 MSD	CS-17(2.0')	100	95
880-72335-2	CS-18(2.0')	106	105
880-72335-3	CS-19(2.0')	101	97
880-72335-4	CS-20(2.0')	101	98
880-72335-5	CS-21(2.0')	106	101
880-72335-6	CS-22(2.0')	100	99
880-72335-7	CS-23(2.0')	101	101
880-72335-8	CS-24(2.0')	100	98
880-72335-9	CS-25(2.0')	108	100
880-72335-10	CS-26(2.0')	101	102
880-72335-11	CS-27(2.0')	100	100
LCS 880-140982/1-A	Lab Control Sample	97	99
LCSD 880-140982/2-A	Lab Control Sample Dup	104	104
MB 880-140982/5-A	Method Blank	95	101

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)
880-72335-1	CS-17(2.0')	89	88
880-72335-2	CS-18(2.0')	92	87
880-72335-3	CS-19(2.0')	88	82
880-72335-4	CS-20(2.0')	87	80
880-72335-5	CS-21(2.0')	90	85
880-72335-6	CS-22(2.0')	91	88
880-72335-7	CS-23(2.0')	88	84
880-72335-8	CS-24(2.0')	89	85
880-72335-9	CS-25(2.0')	87	84
880-72335-10	CS-26(2.0')	89	87
880-72335-11	CS-27(2.0')	102	96
880-72339-A-1-B MS	Matrix Spike	101	89
880-72339-A-1-C MSD	Matrix Spike Duplicate	102	90
890-9930-A-2-D MS	Matrix Spike	105	89
890-9930-A-2-E MSD	Matrix Spike Duplicate	104	88
LCS 880-140881/2-A	Lab Control Sample	97	82
LCS 880-140904/2-A	Lab Control Sample	86	76
LCSD 880-140881/3-A	Lab Control Sample Dup	101	87
LCSD 880-140904/3-A	Lab Control Sample Dup	94	83
MB 880-140881/1-A	Method Blank	101	98
MB 880-140904/1-A	Method Blank	87	86

Surrogate Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: 880-71106-A-18-A MB
Matrix: Solid
Analysis Batch: 140922

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140885

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:24	05/15/26 16:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:24	05/15/26 16:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:24	05/15/26 16:46	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/14/26 16:24	05/15/26 16:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:24	05/15/26 16:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 16:24	05/15/26 16:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*05/14/26 16:24*	*05/15/26 16:46*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/14/26 16:24*	*05/15/26 16:46*	*1*

Lab Sample ID: 880-71106-A-17-C MB
Matrix: Solid
Analysis Batch: 140922

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140982

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/16/26 02:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/16/26 02:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/16/26 02:52	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/15/26 13:54	05/16/26 02:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/16/26 02:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/15/26 13:54	05/16/26 02:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*05/15/26 13:54*	*05/16/26 02:52*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*05/15/26 13:54*	*05/16/26 02:52*	*1*

Lab Sample ID: MB 880-140982/5-A
Matrix: Solid
Analysis Batch: 140922

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140982

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/15/26 21:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/15/26 21:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/15/26 21:58	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/15/26 13:54	05/15/26 21:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/15/26 13:54	05/15/26 21:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/15/26 13:54	05/15/26 21:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*05/15/26 13:54*	*05/15/26 21:58*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/15/26 13:54*	*05/15/26 21:58*	*1*

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-140982/1-A
Matrix: Solid
Analysis Batch: 140922

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140982

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1106		mg/Kg		111	70 - 130		
Toluene			0.100	0.1149		mg/Kg		115	70 - 130		
Ethylbenzene			0.100	0.1058		mg/Kg		106	70 - 130		
m,p-Xylenes			0.200	0.2208		mg/Kg		110	70 - 130		
o-Xylene			0.100	0.1080		mg/Kg		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-140982/2-A
Matrix: Solid
Analysis Batch: 140922

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 140982

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1027		mg/Kg		103	70 - 130	7	35
Toluene			0.100	0.1045		mg/Kg		105	70 - 130	9	35
Ethylbenzene			0.100	0.09845		mg/Kg		98	70 - 130	7	35
m,p-Xylenes			0.200	0.2012		mg/Kg		101	70 - 130	9	35
o-Xylene			0.100	0.1011		mg/Kg		101	70 - 130	7	35

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

Lab Sample ID: 880-72335-1 MS
Matrix: Solid
Analysis Batch: 140922

Client Sample ID: CS-17(2.0')
Prep Type: Total/NA
Prep Batch: 140982

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.09339		mg/Kg		93	70 - 130		
Toluene	<0.00200	U	0.100	0.09417		mg/Kg		94	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.09051		mg/Kg		91	70 - 130		
m,p-Xylenes	<0.00399	U	0.200	0.1796		mg/Kg		90	70 - 130		
o-Xylene	<0.00200	U	0.100	0.09037		mg/Kg		90	70 - 130		

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

Lab Sample ID: 880-72335-1 MSD
Matrix: Solid
Analysis Batch: 140922

Client Sample ID: CS-17(2.0')
Prep Type: Total/NA
Prep Batch: 140982

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	0.09494		mg/Kg		95	70 - 130	2	35
Toluene	<0.00200	U	0.100	0.09638		mg/Kg		96	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.09065		mg/Kg		91	70 - 130	0	35

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72335-1 MSD
Matrix: Solid
Analysis Batch: 140922

Client Sample ID: CS-17(2.0')
Prep Type: Total/NA
Prep Batch: 140982

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m,p-Xylenes	<0.00399	U	0.200	0.1816		mg/Kg		91	70 - 130	1	35
o-Xylene	<0.00200	U	0.100	0.09278		mg/Kg		93	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

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

Lab Sample ID: MB 880-140881/1-A
Matrix: Solid
Analysis Batch: 140942

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140881

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		05/14/26 15:55	05/15/26 16:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/26 15:55	05/15/26 16:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/26 15:55	05/15/26 16:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*101*		*70 - 130*	*05/14/26 15:55*	*05/15/26 16:06*	*1*
o-Terphenyl (Surr)	*98*		*70 - 130*	*05/14/26 15:55*	*05/15/26 16:06*	*1*

Lab Sample ID: LCS 880-140881/2-A
Matrix: Solid
Analysis Batch: 140942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140881

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1002		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1083		mg/Kg		108	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*97*		*70 - 130*
o-Terphenyl (Surr)	*82*		*70 - 130*

Lab Sample ID: LCSD 880-140881/3-A
Matrix: Solid
Analysis Batch: 140942

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 140881

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1007		mg/Kg		101	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1149		mg/Kg		115	70 - 130	6	20

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCSD 880-140881/3-A
Matrix: Solid
Analysis Batch: 140942

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 140881

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	101		70 - 130
o-Terphenyl (Surr)	87		70 - 130

Lab Sample ID: 890-9930-A-2-D MS
Matrix: Solid
Analysis Batch: 140942

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 140881

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	1000	1027		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.4	U	1000	997.8		mg/Kg		100	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	105		70 - 130
o-Terphenyl (Surr)	89		70 - 130

Lab Sample ID: 890-9930-A-2-E MSD
Matrix: Solid
Analysis Batch: 140942

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 140881

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	<50.4	U	1000	991.7		mg/Kg		99	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.4	U	1000	993.5		mg/Kg		99	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	104		70 - 130
o-Terphenyl (Surr)	88		70 - 130

Lab Sample ID: MB 880-140904/1-A
Matrix: Solid
Analysis Batch: 140942

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140904

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		05/14/26 17:03	05/15/26 08:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/26 17:03	05/15/26 08:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/26 17:03	05/15/26 08:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130	05/14/26 17:03	05/15/26 08:34	1
o-Terphenyl (Surr)	86		70 - 130	05/14/26 17:03	05/15/26 08:34	1

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-140904/2-A
Matrix: Solid
Analysis Batch: 140942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140904

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	926.3		mg/Kg		93	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	955.5		mg/Kg		96	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*86*		*70 - 130*
o-Terphenyl (Surr)	*76*		*70 - 130*

Lab Sample ID: LCSD 880-140904/3-A
Matrix: Solid
Analysis Batch: 140942

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 140904

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1020		mg/Kg		102	70 - 130	10	20
Diesel Range Organics (Over C10-C28)			1000	1061		mg/Kg		106	70 - 130	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*94*		*70 - 130*
o-Terphenyl (Surr)	*83*		*70 - 130*

Lab Sample ID: 880-72339-A-1-B MS
Matrix: Solid
Analysis Batch: 140942

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 140904

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	995	909.2		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	995	923.8		mg/Kg		93	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*101*		*70 - 130*
o-Terphenyl (Surr)	*89*		*70 - 130*

Lab Sample ID: 880-72339-A-1-C MSD
Matrix: Solid
Analysis Batch: 140942

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 140904

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	995	910.7		mg/Kg		92	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	995	924.0		mg/Kg		93	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*102*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72339-A-1-C MSD
Matrix: Solid
Analysis Batch: 140942

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 140904

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl (Surr)	90		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-140955/1-A
Matrix: Solid
Analysis Batch: 140964

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			05/15/26 21:02	1

Lab Sample ID: LCS 880-140955/2-A
Matrix: Solid
Analysis Batch: 140964

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	242.9		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-140955/3-A
Matrix: Solid
Analysis Batch: 140964

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	274.3		mg/Kg		110	90 - 110	12	20

Lab Sample ID: 880-72335-1 MS
Matrix: Solid
Analysis Batch: 140964

Client Sample ID: CS-17(2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	42.1	F1	251	261.9	F1	mg/Kg		88	90 - 110		

Lab Sample ID: 880-72335-1 MSD
Matrix: Solid
Analysis Batch: 140964

Client Sample ID: CS-17(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	42.1	F1	251	296.5		mg/Kg		101	90 - 110	12	20

Lab Sample ID: MB 880-140956/1-A
Matrix: Solid
Analysis Batch: 140971

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			05/15/26 18:07	1

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-140956/2-A
Matrix: Solid
Analysis Batch: 140971

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	239.5		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-140956/3-A
Matrix: Solid
Analysis Batch: 140971

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	264.2		mg/Kg		106	90 - 110	10	20

Lab Sample ID: 880-72335-11 MS
Matrix: Solid
Analysis Batch: 140971

Client Sample ID: CS-27(2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	162	F1	253	375.8	F1	mg/Kg		84	90 - 110		

Lab Sample ID: 880-72335-11 MSD
Matrix: Solid
Analysis Batch: 140971

Client Sample ID: CS-27(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	162	F1	253	399.6		mg/Kg		94	90 - 110	6	20

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

GC VOA

Prep Batch: 140885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-71106-A-18-A MB	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 140922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72335-1	CS-17(2.0')	Total/NA	Solid	8021B	140982
880-72335-2	CS-18(2.0')	Total/NA	Solid	8021B	140982
880-72335-3	CS-19(2.0')	Total/NA	Solid	8021B	140982
880-72335-4	CS-20(2.0')	Total/NA	Solid	8021B	140982
880-72335-5	CS-21(2.0')	Total/NA	Solid	8021B	140982
880-72335-6	CS-22(2.0')	Total/NA	Solid	8021B	140982
880-72335-7	CS-23(2.0')	Total/NA	Solid	8021B	140982
880-72335-8	CS-24(2.0')	Total/NA	Solid	8021B	140982
880-72335-9	CS-25(2.0')	Total/NA	Solid	8021B	140982
880-72335-10	CS-26(2.0')	Total/NA	Solid	8021B	140982
880-72335-11	CS-27(2.0')	Total/NA	Solid	8021B	140982
880-71106-A-17-C MB	Method Blank	Total/NA	Solid	8021B	140982
880-71106-A-18-A MB	Method Blank	Total/NA	Solid	8021B	140885
MB 880-140982/5-A	Method Blank	Total/NA	Solid	8021B	140982
LCS 880-140982/1-A	Lab Control Sample	Total/NA	Solid	8021B	140982
LCSD 880-140982/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	140982
880-72335-1 MS	CS-17(2.0')	Total/NA	Solid	8021B	140982
880-72335-1 MSD	CS-17(2.0')	Total/NA	Solid	8021B	140982

Prep Batch: 140982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72335-1	CS-17(2.0')	Total/NA	Solid	5035	
880-72335-2	CS-18(2.0')	Total/NA	Solid	5035	
880-72335-3	CS-19(2.0')	Total/NA	Solid	5035	
880-72335-4	CS-20(2.0')	Total/NA	Solid	5035	
880-72335-5	CS-21(2.0')	Total/NA	Solid	5035	
880-72335-6	CS-22(2.0')	Total/NA	Solid	5035	
880-72335-7	CS-23(2.0')	Total/NA	Solid	5035	
880-72335-8	CS-24(2.0')	Total/NA	Solid	5035	
880-72335-9	CS-25(2.0')	Total/NA	Solid	5035	
880-72335-10	CS-26(2.0')	Total/NA	Solid	5035	
880-72335-11	CS-27(2.0')	Total/NA	Solid	5035	
880-71106-A-17-C MB	Method Blank	Total/NA	Solid	5035	
MB 880-140982/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-140982/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-140982/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-72335-1 MS	CS-17(2.0')	Total/NA	Solid	5035	
880-72335-1 MSD	CS-17(2.0')	Total/NA	Solid	5035	

Analysis Batch: 141049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72335-1	CS-17(2.0')	Total/NA	Solid	Total BTEX	
880-72335-2	CS-18(2.0')	Total/NA	Solid	Total BTEX	
880-72335-3	CS-19(2.0')	Total/NA	Solid	Total BTEX	
880-72335-4	CS-20(2.0')	Total/NA	Solid	Total BTEX	
880-72335-5	CS-21(2.0')	Total/NA	Solid	Total BTEX	
880-72335-6	CS-22(2.0')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

GC VOA (Continued)

Analysis Batch: 141049 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72335-7	CS-23(2.0')	Total/NA	Solid	Total BTEX	
880-72335-8	CS-24(2.0')	Total/NA	Solid	Total BTEX	
880-72335-9	CS-25(2.0')	Total/NA	Solid	Total BTEX	
880-72335-10	CS-26(2.0')	Total/NA	Solid	Total BTEX	
880-72335-11	CS-27(2.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 140881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72335-1	CS-17(2.0')	Total/NA	Solid	8015NM Prep	
880-72335-2	CS-18(2.0')	Total/NA	Solid	8015NM Prep	
880-72335-3	CS-19(2.0')	Total/NA	Solid	8015NM Prep	
880-72335-4	CS-20(2.0')	Total/NA	Solid	8015NM Prep	
880-72335-5	CS-21(2.0')	Total/NA	Solid	8015NM Prep	
880-72335-6	CS-22(2.0')	Total/NA	Solid	8015NM Prep	
880-72335-7	CS-23(2.0')	Total/NA	Solid	8015NM Prep	
880-72335-8	CS-24(2.0')	Total/NA	Solid	8015NM Prep	
880-72335-9	CS-25(2.0')	Total/NA	Solid	8015NM Prep	
880-72335-10	CS-26(2.0')	Total/NA	Solid	8015NM Prep	
MB 880-140881/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-140881/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-140881/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9930-A-2-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-9930-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 140904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72335-11	CS-27(2.0')	Total/NA	Solid	8015NM Prep	
MB 880-140904/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-140904/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-140904/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-72339-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-72339-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 140942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72335-1	CS-17(2.0')	Total/NA	Solid	8015B NM	140881
880-72335-2	CS-18(2.0')	Total/NA	Solid	8015B NM	140881
880-72335-3	CS-19(2.0')	Total/NA	Solid	8015B NM	140881
880-72335-4	CS-20(2.0')	Total/NA	Solid	8015B NM	140881
880-72335-5	CS-21(2.0')	Total/NA	Solid	8015B NM	140881
880-72335-6	CS-22(2.0')	Total/NA	Solid	8015B NM	140881
880-72335-7	CS-23(2.0')	Total/NA	Solid	8015B NM	140881
880-72335-8	CS-24(2.0')	Total/NA	Solid	8015B NM	140881
880-72335-9	CS-25(2.0')	Total/NA	Solid	8015B NM	140881
880-72335-10	CS-26(2.0')	Total/NA	Solid	8015B NM	140881
880-72335-11	CS-27(2.0')	Total/NA	Solid	8015B NM	140904
MB 880-140881/1-A	Method Blank	Total/NA	Solid	8015B NM	140881
MB 880-140904/1-A	Method Blank	Total/NA	Solid	8015B NM	140904
LCS 880-140881/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	140881

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 140942 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-140904/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	140904
LCSD 880-140881/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	140881
LCSD 880-140904/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	140904
880-72339-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	140904
880-72339-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	140904
890-9930-A-2-D MS	Matrix Spike	Total/NA	Solid	8015B NM	140881
890-9930-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	140881

Analysis Batch: 140978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72335-1	CS-17(2.0')	Total/NA	Solid	8015 NM	
880-72335-2	CS-18(2.0')	Total/NA	Solid	8015 NM	
880-72335-3	CS-19(2.0')	Total/NA	Solid	8015 NM	
880-72335-4	CS-20(2.0')	Total/NA	Solid	8015 NM	
880-72335-5	CS-21(2.0')	Total/NA	Solid	8015 NM	
880-72335-6	CS-22(2.0')	Total/NA	Solid	8015 NM	
880-72335-7	CS-23(2.0')	Total/NA	Solid	8015 NM	
880-72335-8	CS-24(2.0')	Total/NA	Solid	8015 NM	
880-72335-9	CS-25(2.0')	Total/NA	Solid	8015 NM	
880-72335-10	CS-26(2.0')	Total/NA	Solid	8015 NM	
880-72335-11	CS-27(2.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 140955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72335-1	CS-17(2.0')	Soluble	Solid	DI Leach	
880-72335-2	CS-18(2.0')	Soluble	Solid	DI Leach	
880-72335-3	CS-19(2.0')	Soluble	Solid	DI Leach	
880-72335-4	CS-20(2.0')	Soluble	Solid	DI Leach	
880-72335-5	CS-21(2.0')	Soluble	Solid	DI Leach	
880-72335-6	CS-22(2.0')	Soluble	Solid	DI Leach	
880-72335-7	CS-23(2.0')	Soluble	Solid	DI Leach	
880-72335-8	CS-24(2.0')	Soluble	Solid	DI Leach	
880-72335-9	CS-25(2.0')	Soluble	Solid	DI Leach	
880-72335-10	CS-26(2.0')	Soluble	Solid	DI Leach	
MB 880-140955/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-140955/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-140955/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-72335-1 MS	CS-17(2.0')	Soluble	Solid	DI Leach	
880-72335-1 MSD	CS-17(2.0')	Soluble	Solid	DI Leach	

Leach Batch: 140956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72335-11	CS-27(2.0')	Soluble	Solid	DI Leach	
MB 880-140956/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-140956/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-140956/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-72335-11 MS	CS-27(2.0')	Soluble	Solid	DI Leach	
880-72335-11 MSD	CS-27(2.0')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

HPLC/IC

Analysis Batch: 140964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72335-1	CS-17(2.0')	Soluble	Solid	300.0	140955
880-72335-2	CS-18(2.0')	Soluble	Solid	300.0	140955
880-72335-3	CS-19(2.0')	Soluble	Solid	300.0	140955
880-72335-4	CS-20(2.0')	Soluble	Solid	300.0	140955
880-72335-5	CS-21(2.0')	Soluble	Solid	300.0	140955
880-72335-6	CS-22(2.0')	Soluble	Solid	300.0	140955
880-72335-7	CS-23(2.0')	Soluble	Solid	300.0	140955
880-72335-8	CS-24(2.0')	Soluble	Solid	300.0	140955
880-72335-9	CS-25(2.0')	Soluble	Solid	300.0	140955
880-72335-10	CS-26(2.0')	Soluble	Solid	300.0	140955
MB 880-140955/1-A	Method Blank	Soluble	Solid	300.0	140955
LCS 880-140955/2-A	Lab Control Sample	Soluble	Solid	300.0	140955
LCSD 880-140955/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	140955
880-72335-1 MS	CS-17(2.0')	Soluble	Solid	300.0	140955
880-72335-1 MSD	CS-17(2.0')	Soluble	Solid	300.0	140955

Analysis Batch: 140971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72335-11	CS-27(2.0')	Soluble	Solid	300.0	140956
MB 880-140956/1-A	Method Blank	Soluble	Solid	300.0	140956
LCS 880-140956/2-A	Lab Control Sample	Soluble	Solid	300.0	140956
LCSD 880-140956/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	140956
880-72335-11 MS	CS-27(2.0')	Soluble	Solid	300.0	140956
880-72335-11 MSD	CS-27(2.0')	Soluble	Solid	300.0	140956

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

Client Sample ID: CS-17(2.0')

Lab Sample ID: 880-72335-1
Matrix: Solid
Date Collected: 05/14/26 10:03
Date Received: 05/14/26 15:33

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	140982	05/15/26 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140922	05/15/26 22:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141049	05/15/26 22:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			140978	05/15/26 20:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	140881	05/14/26 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140942	05/15/26 20:04	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	140955	05/15/26 10:46	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140964	05/15/26 21:17	CS	EET MID

Client Sample ID: CS-18(2.0')

Lab Sample ID: 880-72335-2
Matrix: Solid
Date Collected: 05/14/26 10:07
Date Received: 05/14/26 15:33

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	140982	05/15/26 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140922	05/15/26 22:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141049	05/15/26 22:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			140978	05/15/26 20:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	140881	05/14/26 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140942	05/15/26 20:19	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	140955	05/15/26 10:46	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140964	05/15/26 21:32	CS	EET MID

Client Sample ID: CS-19(2.0')

Lab Sample ID: 880-72335-3
Matrix: Solid
Date Collected: 05/14/26 10:10
Date Received: 05/14/26 15:33

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	140982	05/15/26 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140922	05/15/26 23:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141049	05/15/26 23:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			140978	05/15/26 20:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	140881	05/14/26 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140942	05/15/26 20:33	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	140955	05/15/26 10:46	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140964	05/15/26 21:37	CS	EET MID

Client Sample ID: CS-20(2.0')

Lab Sample ID: 880-72335-4
Matrix: Solid
Date Collected: 05/14/26 10:14
Date Received: 05/14/26 15:33

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	140982	05/15/26 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140922	05/15/26 23:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141049	05/15/26 23:23	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

Client Sample ID: CS-20(2.0')

Lab Sample ID: 880-72335-4
Matrix: Solid
Date Collected: 05/14/26 10:14
Date Received: 05/14/26 15:33

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			140978	05/15/26 20:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	140881	05/14/26 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140942	05/15/26 20:47	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	140955	05/15/26 10:46	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140964	05/15/26 21:42	CS	EET MID

Client Sample ID: CS-21(2.0')

Lab Sample ID: 880-72335-5
Matrix: Solid
Date Collected: 05/14/26 10:19
Date Received: 05/14/26 15:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	140982	05/15/26 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140922	05/15/26 23:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141049	05/15/26 23:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			140978	05/15/26 21:02	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	140881	05/14/26 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140942	05/15/26 21:02	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	140955	05/15/26 10:46	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140964	05/15/26 21:47	CS	EET MID

Client Sample ID: CS-22(2.0')

Lab Sample ID: 880-72335-6
Matrix: Solid
Date Collected: 05/14/26 10:24
Date Received: 05/14/26 15:33

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	140982	05/15/26 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140922	05/16/26 00:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141049	05/16/26 00:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			140978	05/15/26 21:16	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10.00 mL	140881	05/14/26 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140942	05/15/26 21:16	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	140955	05/15/26 10:46	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140964	05/15/26 22:02	CS	EET MID

Client Sample ID: CS-23(2.0')

Lab Sample ID: 880-72335-7
Matrix: Solid
Date Collected: 05/14/26 10:35
Date Received: 05/14/26 15:33

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	140982	05/15/26 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140922	05/16/26 00:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141049	05/16/26 00:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			140978	05/15/26 21:31	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	140881	05/14/26 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140942	05/15/26 21:31	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

Client Sample ID: CS-23(2.0')

Lab Sample ID: 880-72335-7
Matrix: Solid
Date Collected: 05/14/26 10:35
Date Received: 05/14/26 15:33

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	140955	05/15/26 10:46	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140964	05/15/26 22:07	CS	EET MID

Client Sample ID: CS-24(2.0')

Lab Sample ID: 880-72335-8
Matrix: Solid
Date Collected: 05/14/26 10:38
Date Received: 05/14/26 15:33

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	140982	05/15/26 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140922	05/16/26 00:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141049	05/16/26 00:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			140978	05/15/26 21:45	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	140881	05/14/26 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140942	05/15/26 21:45	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	140955	05/15/26 10:46	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140964	05/15/26 22:12	CS	EET MID

Client Sample ID: CS-25(2.0')

Lab Sample ID: 880-72335-9
Matrix: Solid
Date Collected: 05/14/26 10:42
Date Received: 05/14/26 15:33

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	140982	05/15/26 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140922	05/16/26 01:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141049	05/16/26 01:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			140978	05/15/26 22:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	140881	05/14/26 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140942	05/15/26 22:00	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	140955	05/15/26 10:47	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140964	05/15/26 22:17	CS	EET MID

Client Sample ID: CS-26(2.0')

Lab Sample ID: 880-72335-10
Matrix: Solid
Date Collected: 05/14/26 10:46
Date Received: 05/14/26 15:33

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	140982	05/15/26 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140922	05/16/26 01:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141049	05/16/26 01:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			140978	05/15/26 22:14	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	140881	05/14/26 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140942	05/15/26 22:14	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	140955	05/15/26 10:47	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140964	05/15/26 22:22	CS	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

Client Sample ID: CS-27(2.0')

Date Collected: 05/14/26 10:52
Date Received: 05/14/26 15:33

Lab Sample ID: 880-72335-11

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	140982	05/15/26 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140922	05/16/26 03:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141049	05/16/26 03:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			140978	05/15/26 11:41	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	140904	05/14/26 17:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140942	05/15/26 11:41	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	140956	05/15/26 10:49	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140971	05/15/26 18:22	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-72335-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. 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: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72335-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-72335-1	CS-17(2.0')	Solid	05/14/26 10:03	05/14/26 15:33	New Mexico
880-72335-2	CS-18(2.0')	Solid	05/14/26 10:07	05/14/26 15:33	New Mexico
880-72335-3	CS-19(2.0')	Solid	05/14/26 10:10	05/14/26 15:33	New Mexico
880-72335-4	CS-20(2.0')	Solid	05/14/26 10:14	05/14/26 15:33	New Mexico
880-72335-5	CS-21(2.0')	Solid	05/14/26 10:19	05/14/26 15:33	New Mexico
880-72335-6	CS-22(2.0')	Solid	05/14/26 10:24	05/14/26 15:33	New Mexico
880-72335-7	CS-23(2.0')	Solid	05/14/26 10:35	05/14/26 15:33	New Mexico
880-72335-8	CS-24(2.0')	Solid	05/14/26 10:38	05/14/26 15:33	New Mexico
880-72335-9	CS-25(2.0')	Solid	05/14/26 10:42	05/14/26 15:33	New Mexico
880-72335-10	CS-26(2.0')	Solid	05/14/26 10:46	05/14/26 15:33	New Mexico
880-72335-11	CS-27(2.0')	Solid	05/14/26 10:52	05/14/26 15:33	New Mexico

Page 331 of 957

Chain of Custody

880-72335 Chain of Custody

880-72335 COC

5/18/2026

Page 1 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	☐ Routine ☑ Rush
Project Number:	3202		
Project Location	Lea County, New Mexico	Due Date:	72 HR
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID:	IR5	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.1	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.8	
Total Containers:		Corrected Temperature:	5.9	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold
CS-17 (2.0')	5/14/2026	10:03	X		Comp	1	X	X	X	
CS-18 (2.0')	5/14/2026	10:07	X		Comp	1	X	X	X	
CS-19 (2.0')	5/14/2026	10:10	X		Comp	1	X	X	X	
CS-20 (2.0')	5/14/2026	10:14	X		Comp	1	X	X	X	
CS-21 (2.0')	5/14/2026	10:19	X		Comp	1	X	X	X	
CS-22 (2.0')	5/14/2026	10:24	X		Comp	1	X	X	X	
CS-23 (2.0')	5/14/2026	10:35	X		Comp	1	X	X	X	
CS-24 (2.0')	5/14/2026	10:38	X		Comp	1	X	X	X	
CS-25 (2.0')	5/14/2026	10:42	X		Comp	1	X	X	X	
CS-26 (2.0')	5/14/2026	10:46	X		Comp	1	X	X	X	

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5.14.26 15:33		5.14.26 15:33

Page 35 of 37

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Page 332 of 957

Chain of Custody

Work Order No: _____

5/18/2026

Page 2 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	☐ Routine ☑ Rush
Project Number:	3202	Pres. Code	
Project Location	Lea County, New Mexico	Due Date:	72 HR
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.8
Total Containers:		Corrected Temperature:	5.9

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS-27 (2.0')	5/14/2026	10:52	X		Comp	1	X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5.14.26 15:33		5.14.26 15:33

Page 36 of 37

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-72335-1
SDG Number: Lea County New Mexico

Login Number: 72335
List Number: 1
Creator: Juarez, Leticia

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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/18/2026 2:53:47 PM

JOB DESCRIPTION

Matador Gavalon (03.13.2026)
Lea County New Mexico

JOB NUMBER

880-72336-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 6/23/2026 8:46:47 AM

my EOL

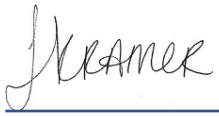
Eurofins Midland

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
5/18/2026 2:53:47 PM

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

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Laboratory Job ID: 880-72336-1
SDG: Lea County New Mexico

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 15
QC Sample Results 17
QC Association Summary 27
Lab Chronicle 32
Certification Summary 36
Method Summary 37
Sample Summary 38
Chain of Custody 39
Receipt Checklists 41

Definitions/Glossary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1

Job ID: 880-72336-1 Eurofins Midland

Job Narrative
880-72336-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 5/14/2026 3:33 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 5.9°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SW-12(4.0') (880-72336-1), SW-13(4.0') (880-72336-2), SW-14(4.0') (880-72336-3), SW-15(4.0') (880-72336-4), SW-16(4.0') (880-72336-5), SW-17(4.0') (880-72336-6), SW-18(4.0') (880-72336-7), SW-19(4.0') (880-72336-8), SW-20(3.0-4.0') (880-72336-9), SW-21(2.0') (880-72336-10), SW-22(2.0') (880-72336-11) and SW-23(2.0') (880-72336-12).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-140892 and analytical batch 880-141009 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-16(4.0') (880-72336-5) and SW-18(4.0') (880-72336-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-141031 and analytical batch 880-141026 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.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

Client Sample ID: SW-12(4.0')

Lab Sample ID: 880-72336-1
Matrix: Solid
Date Collected: 05/14/26 10:59
Date Received: 05/14/26 15:33

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		05/14/26 16:27	05/16/26 00:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:27	05/16/26 00:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:27	05/16/26 00:49	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/14/26 16:27	05/16/26 00:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:27	05/16/26 00:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/14/26 16:27	05/16/26 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*05/14/26 16:27*	*05/16/26 00:49*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/14/26 16:27*	*05/16/26 00:49*	*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			05/16/26 00:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/26 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/14/26 17:03	05/15/26 11:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/26 17:03	05/15/26 11:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/26 17:03	05/15/26 11:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*104*		*70 - 130*	*05/14/26 17:03*	*05/15/26 11:55*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*05/14/26 17:03*	*05/15/26 11:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.8**		10.0		mg/Kg			05/15/26 18:37	1

Client Sample ID: SW-13(4.0')

Lab Sample ID: 880-72336-2
Matrix: Solid
Date Collected: 05/14/26 11:04
Date Received: 05/14/26 15:33

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		05/14/26 16:27	05/16/26 01:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/14/26 16:27	05/16/26 01:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/14/26 16:27	05/16/26 01:10	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/14/26 16:27	05/16/26 01:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/14/26 16:27	05/16/26 01:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/14/26 16:27	05/16/26 01:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*05/14/26 16:27*	*05/16/26 01:10*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/14/26 16:27*	*05/16/26 01:10*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

Client Sample ID: SW-13(4.0')

Lab Sample ID: 880-72336-2
Matrix: Solid
Date Collected: 05/14/26 11:04
Date Received: 05/14/26 15:33

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			05/16/26 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	<49.9	U	49.9		mg/Kg			05/15/26 12:10	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		05/14/26 17:03	05/15/26 12:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/14/26 17:03	05/15/26 12:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/14/26 17:03	05/15/26 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*105*		*70 - 130*	*05/14/26 17:03*	*05/15/26 12:10*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*05/14/26 17:03*	*05/15/26 12:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/15/26 18:42	1

Client Sample ID: SW-14(4.0')

Lab Sample ID: 880-72336-3
Matrix: Solid
Date Collected: 05/14/26 11:09
Date Received: 05/14/26 15:33

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		05/14/26 16:27	05/16/26 01:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/14/26 16:27	05/16/26 01:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/14/26 16:27	05/16/26 01:30	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/14/26 16:27	05/16/26 01:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/14/26 16:27	05/16/26 01:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/14/26 16:27	05/16/26 01:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*05/14/26 16:27*	*05/16/26 01:30*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/14/26 16:27*	*05/16/26 01:30*	*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			05/16/26 01:30	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			05/15/26 12:24	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	<50.0	U	50.0		mg/Kg		05/14/26 17:03	05/15/26 12:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/26 17:03	05/15/26 12:24	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

Client Sample ID: SW-14(4.0')

Lab Sample ID: 880-72336-3
Matrix: Solid
Date Collected: 05/14/26 11:09
Date Received: 05/14/26 15:33

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		05/14/26 17:03	05/15/26 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*05/14/26 17:03*	*05/15/26 12:24*	*1*
o-Terphenyl (Surr)	*89*		*70 - 130*	*05/14/26 17:03*	*05/15/26 12:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.8**		10.0		mg/Kg			05/15/26 18:47	1

Client Sample ID: SW-15(4.0')

Lab Sample ID: 880-72336-4
Matrix: Solid
Date Collected: 05/14/26 11:13
Date Received: 05/14/26 15:33

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		05/14/26 16:27	05/16/26 01:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:27	05/16/26 01:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:27	05/16/26 01:50	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/14/26 16:27	05/16/26 01:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:27	05/16/26 01:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/14/26 16:27	05/16/26 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*05/14/26 16:27*	*05/16/26 01:50*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/14/26 16:27*	*05/16/26 01:50*	*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			05/16/26 01:50	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			05/15/26 12:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/14/26 17:03	05/15/26 12:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/26 17:03	05/15/26 12:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/26 17:03	05/15/26 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*05/14/26 17:03*	*05/15/26 12:39*	*1*
o-Terphenyl (Surr)	*98*		*70 - 130*	*05/14/26 17:03*	*05/15/26 12:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/15/26 18:52	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

Client Sample ID: SW-16(4.0')

Lab Sample ID: 880-72336-5
Matrix: Solid
Date Collected: 05/14/26 11:19
Date Received: 05/14/26 15:33

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		05/14/26 16:27	05/16/26 02:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/14/26 16:27	05/16/26 02:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/14/26 16:27	05/16/26 02:11	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/14/26 16:27	05/16/26 02:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/14/26 16:27	05/16/26 02:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/14/26 16:27	05/16/26 02:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*05/14/26 16:27*	*05/16/26 02:11*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/14/26 16:27*	*05/16/26 02:11*	*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			05/16/26 02:11	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			05/15/26 12:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/14/26 17:03	05/15/26 12:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/26 17:03	05/15/26 12:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/26 17:03	05/15/26 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*05/14/26 17:03*	*05/15/26 12:53*	*1*
o-Terphenyl (Surr)	*95*		*70 - 130*	*05/14/26 17:03*	*05/15/26 12:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33.0**		9.98		mg/Kg			05/15/26 19:07	1

Client Sample ID: SW-17(4.0')

Lab Sample ID: 880-72336-6
Matrix: Solid
Date Collected: 05/14/26 11:24
Date Received: 05/14/26 15:33

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		05/14/26 16:27	05/16/26 02:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/14/26 16:27	05/16/26 02:31	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/14/26 16:27	05/16/26 02:31	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/14/26 16:27	05/16/26 02:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/14/26 16:27	05/16/26 02:31	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/14/26 16:27	05/16/26 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*05/14/26 16:27*	*05/16/26 02:31*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*05/14/26 16:27*	*05/16/26 02:31*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

Client Sample ID: SW-17(4.0')

Lab Sample ID: 880-72336-6
Matrix: Solid
Date Collected: 05/14/26 11:24
Date Received: 05/14/26 15:33

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			05/16/26 02:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/15/26 13:22	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	<50.1	U	50.1		mg/Kg		05/14/26 17:03	05/15/26 13:22	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/14/26 17:03	05/15/26 13:22	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/14/26 17:03	05/15/26 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*103*		*70 - 130*	*05/14/26 17:03*	*05/15/26 13:22*	*1*
o-Terphenyl (Surr)	*98*		*70 - 130*	*05/14/26 17:03*	*05/15/26 13:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			05/15/26 19:12	1

Client Sample ID: SW-18(4.0')

Lab Sample ID: 880-72336-7
Matrix: Solid
Date Collected: 05/14/26 11:29
Date Received: 05/14/26 15:33

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		05/14/26 16:27	05/16/26 02:52	1
Toluene	**0.00250**		0.00199		mg/Kg		05/14/26 16:27	05/16/26 02:52	1
Ethylbenzene	**0.00227**		0.00199		mg/Kg		05/14/26 16:27	05/16/26 02:52	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/14/26 16:27	05/16/26 02:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/14/26 16:27	05/16/26 02:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/14/26 16:27	05/16/26 02:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*161*	*S1+*	*70 - 130*	*05/14/26 16:27*	*05/16/26 02:52*	*1*
1,4-Difluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*05/14/26 16:27*	*05/16/26 02:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00477**		0.00398		mg/Kg			05/16/26 02:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			05/15/26 13:37	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	<50.2	U	50.2		mg/Kg		05/14/26 17:03	05/15/26 13:37	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		05/14/26 17:03	05/15/26 13:37	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

Client Sample ID: SW-18(4.0')

Lab Sample ID: 880-72336-7
Matrix: Solid
Date Collected: 05/14/26 11:29
Date Received: 05/14/26 15:33

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)	<50.2	U	50.2		mg/Kg		05/14/26 17:03	05/15/26 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*86*		*70 - 130*	*05/14/26 17:03*	*05/15/26 13:37*	*1*
o-Terphenyl (Surr)	*83*		*70 - 130*	*05/14/26 17:03*	*05/15/26 13:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**27.3**		10.0		mg/Kg			05/15/26 19:17	1

Client Sample ID: SW-19(4.0')

Lab Sample ID: 880-72336-8
Matrix: Solid
Date Collected: 05/14/26 11:34
Date Received: 05/14/26 15:33

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		05/14/26 16:27	05/16/26 03:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/14/26 16:27	05/16/26 03:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/14/26 16:27	05/16/26 03:12	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/14/26 16:27	05/16/26 03:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/14/26 16:27	05/16/26 03:12	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/14/26 16:27	05/16/26 03:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*05/14/26 16:27*	*05/16/26 03:12*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*05/14/26 16:27*	*05/16/26 03:12*	*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			05/16/26 03:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/15/26 13:52	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	<50.1	U	50.1		mg/Kg		05/14/26 17:03	05/15/26 13:52	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/14/26 17:03	05/15/26 13:52	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/14/26 17:03	05/15/26 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*88*		*70 - 130*	*05/14/26 17:03*	*05/15/26 13:52*	*1*
o-Terphenyl (Surr)	*85*		*70 - 130*	*05/14/26 17:03*	*05/15/26 13:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.7**		10.1		mg/Kg			05/15/26 19:22	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

Client Sample ID: SW-20(3.0-4.0')

Lab Sample ID: 880-72336-9
Matrix: Solid
Date Collected: 05/14/26 11:39
Date Received: 05/14/26 15:33

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		05/14/26 16:24	05/15/26 17:07	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/14/26 16:24	05/15/26 17:07	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/14/26 16:24	05/15/26 17:07	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		05/14/26 16:24	05/15/26 17:07	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/14/26 16:24	05/15/26 17:07	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/14/26 16:24	05/15/26 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*05/14/26 16:24*	*05/15/26 17:07*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/14/26 16:24*	*05/15/26 17:07*	*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			05/15/26 17:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/26 14:06	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	<49.9	U	49.9		mg/Kg		05/14/26 17:03	05/15/26 14:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/14/26 17:03	05/15/26 14:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/14/26 17:03	05/15/26 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*104*		*70 - 130*	*05/14/26 17:03*	*05/15/26 14:06*	*1*
o-Terphenyl (Surr)	*98*		*70 - 130*	*05/14/26 17:03*	*05/15/26 14:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**143**		10.1		mg/Kg			05/15/26 19:27	1

Client Sample ID: SW-21(2.0')

Lab Sample ID: 880-72336-10
Matrix: Solid
Date Collected: 05/14/26 11:42
Date Received: 05/14/26 15:33

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		05/14/26 16:24	05/15/26 17:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/14/26 16:24	05/15/26 17:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/14/26 16:24	05/15/26 17:28	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/14/26 16:24	05/15/26 17:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/14/26 16:24	05/15/26 17:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/14/26 16:24	05/15/26 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*05/14/26 16:24*	*05/15/26 17:28*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/14/26 16:24*	*05/15/26 17:28*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

Client Sample ID: SW-21(2.0')

Lab Sample ID: 880-72336-10
Matrix: Solid
Date Collected: 05/14/26 11:42
Date Received: 05/14/26 15:33

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			05/15/26 17:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/15/26 14:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/14/26 17:03	05/15/26 14:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/26 17:03	05/15/26 14:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/26 17:03	05/15/26 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*103*		*70 - 130*	*05/14/26 17:03*	*05/15/26 14:21*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*05/14/26 17:03*	*05/15/26 14:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			05/15/26 19:32	1

Client Sample ID: SW-22(2.0')

Lab Sample ID: 880-72336-11
Matrix: Solid
Date Collected: 05/14/26 11:46
Date Received: 05/14/26 15:33

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		05/18/26 09:02	05/18/26 12:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/18/26 09:02	05/18/26 12:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/18/26 09:02	05/18/26 12:50	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/18/26 09:02	05/18/26 12:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/18/26 09:02	05/18/26 12:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/18/26 09:02	05/18/26 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*05/18/26 09:02*	*05/18/26 12:50*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/18/26 09:02*	*05/18/26 12:50*	*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			05/18/26 12:50	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			05/15/26 14:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/14/26 17:03	05/15/26 14:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/26 17:03	05/15/26 14:36	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

Client Sample ID: SW-22(2.0')

Lab Sample ID: 880-72336-11
Matrix: Solid
Date Collected: 05/14/26 11:46
Date Received: 05/14/26 15:33

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		05/14/26 17:03	05/15/26 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*101*		*70 - 130*	*05/14/26 17:03*	*05/15/26 14:36*	*1*
o-Terphenyl (Surr)	*96*		*70 - 130*	*05/14/26 17:03*	*05/15/26 14:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34.7**		9.92		mg/Kg			05/15/26 19:47	1

Client Sample ID: SW-23(2.0')

Lab Sample ID: 880-72336-12
Matrix: Solid
Date Collected: 05/14/26 11:51
Date Received: 05/14/26 15:33

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		05/14/26 16:26	05/16/26 02:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:26	05/16/26 02:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:26	05/16/26 02:38	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/14/26 16:26	05/16/26 02:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:26	05/16/26 02:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 16:26	05/16/26 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*05/14/26 16:26*	*05/16/26 02:38*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*05/14/26 16:26*	*05/16/26 02:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/16/26 02:38	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			05/15/26 14:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/14/26 17:03	05/15/26 14:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/14/26 17:03	05/15/26 14:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/14/26 17:03	05/15/26 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*101*		*70 - 130*	*05/14/26 17:03*	*05/15/26 14:51*	*1*
o-Terphenyl (Surr)	*96*		*70 - 130*	*05/14/26 17:03*	*05/15/26 14:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/15/26 19:52	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-71106-A-15-C MB	Method Blank	95	87
880-71106-A-18-A MB	Method Blank	99	99
880-71106-A-20-A MB	Method Blank	117	108
880-72279-A-3-D MS	Matrix Spike	104	103
880-72279-A-3-E MSD	Matrix Spike Duplicate	98	103
880-72336-1	SW-12(4.0')	119	93
880-72336-2	SW-13(4.0')	121	92
880-72336-3	SW-14(4.0')	122	90
880-72336-4	SW-15(4.0')	129	94
880-72336-5	SW-16(4.0')	135 S1+	92
880-72336-6	SW-17(4.0')	112	83
880-72336-7	SW-18(4.0')	161 S1+	68 S1-
880-72336-8	SW-19(4.0')	120	85
880-72336-9	SW-20(3.0-4.0')	105	104
880-72336-10	SW-21(2.0')	94	97
880-72336-11	SW-22(2.0')	85	95
880-72336-12	SW-23(2.0')	128	116
880-72338-A-1-E MS	Matrix Spike	99	98
880-72338-A-1-F MSD	Matrix Spike Duplicate	101	112
890-9925-A-41-E MS	Matrix Spike	103	104
890-9925-A-41-F MSD	Matrix Spike Duplicate	95	99
890-9940-A-1-F MS	Matrix Spike	85	97
890-9940-A-1-G MSD	Matrix Spike Duplicate	73	98
LCS 880-140885/1-A	Lab Control Sample	95	94
LCS 880-140891/1-A	Lab Control Sample	77	94
LCS 880-140892/1-A	Lab Control Sample	104	98
LCS 880-141031/1-A	Lab Control Sample	91	100
LCSD 880-140885/2-A	Lab Control Sample Dup	98	101
LCSD 880-140891/2-A	Lab Control Sample Dup	82	93
LCSD 880-140892/2-A	Lab Control Sample Dup	93	115
LCSD 880-141031/2-A	Lab Control Sample Dup	95	96
MB 880-140885/5-A	Method Blank	92	97
MB 880-140891/5-A	Method Blank	108	98
MB 880-140892/5-A	Method Blank	238 S1+	123
MB 880-141031/5-A	Method Blank	99	93

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)
880-72336-1	SW-12(4.0')	104	99
880-72336-2	SW-13(4.0')	105	101
880-72336-3	SW-14(4.0')	92	89
880-72336-4	SW-15(4.0')	102	98

Surrogate Summary

Client: Carmona Resources
Job ID: 880-72336-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County New Mexico

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
880-72336-5	SW-16(4.0')	98	95								
880-72336-6	SW-17(4.0')	103	98								
880-72336-7	SW-18(4.0')	86	83								
880-72336-8	SW-19(4.0')	88	85								
880-72336-9	SW-20(3.0-4.0')	104	98								
880-72336-10	SW-21(2.0')	103	99								
880-72336-11	SW-22(2.0')	101	96								
880-72336-12	SW-23(2.0')	101	96								
880-72339-A-1-B MS	Matrix Spike	101	89								
880-72339-A-1-C MSD	Matrix Spike Duplicate	102	90								
LCS 880-140904/2-A	Lab Control Sample	86	76								
LCSD 880-140904/3-A	Lab Control Sample Dup	94	83								
MB 880-140904/1-A	Method Blank	87	86								

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: 880-71106-A-18-A MB
Matrix: Solid
Analysis Batch: 140922

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140885

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:24	05/15/26 16:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:24	05/15/26 16:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:24	05/15/26 16:46	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/14/26 16:24	05/15/26 16:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:24	05/15/26 16:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 16:24	05/15/26 16:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*05/14/26 16:24*	*05/15/26 16:46*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/14/26 16:24*	*05/15/26 16:46*	*1*

Lab Sample ID: MB 880-140885/5-A
Matrix: Solid
Analysis Batch: 140922

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140885

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:24	05/15/26 11:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:24	05/15/26 11:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:24	05/15/26 11:09	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/14/26 16:24	05/15/26 11:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:24	05/15/26 11:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 16:24	05/15/26 11:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*05/14/26 16:24*	*05/15/26 11:09*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/14/26 16:24*	*05/15/26 11:09*	*1*

Lab Sample ID: LCS 880-140885/1-A
Matrix: Solid
Analysis Batch: 140922

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140885

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09619		mg/Kg		96	70 - 130		
Toluene			0.100	0.1017		mg/Kg		102	70 - 130		
Ethylbenzene			0.100	0.09565		mg/Kg		96	70 - 130		
m,p-Xylenes			0.200	0.1940		mg/Kg		97	70 - 130		
o-Xylene			0.100	0.09724		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: LCSD 880-140885/2-A
Matrix: Solid
Analysis Batch: 140922

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 140885

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1012		mg/Kg		101	70 - 130	5	35

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCSD 880-140885/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 140922 — **Prep Batch: 140885**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1021		mg/Kg		102	70 - 130	0	35
Ethylbenzene			0.100	0.1006		mg/Kg		101	70 - 130	5	35
m,p-Xylenes			0.200	0.2038		mg/Kg		102	70 - 130	5	35
o-Xylene			0.100	0.1024		mg/Kg		102	70 - 130	5	35

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

Lab Sample ID: 880-72279-A-3-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 140922 — **Prep Batch: 140885**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1006		mg/Kg		101	70 - 130
Toluene	<0.00200	U	0.100	0.1039		mg/Kg		104	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09904		mg/Kg		99	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1986		mg/Kg		99	70 - 130
o-Xylene	<0.00200	U	0.100	0.1013		mg/Kg		101	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-72279-A-3-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 140922 — **Prep Batch: 140885**

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	0.08993		mg/Kg		90	70 - 130	11	35
Toluene	<0.00200	U	0.100	0.09289		mg/Kg		93	70 - 130	11	35
Ethylbenzene	<0.00200	U	0.100	0.08700		mg/Kg		87	70 - 130	13	35
m,p-Xylenes	<0.00399	U	0.200	0.1768		mg/Kg		88	70 - 130	12	35
o-Xylene	<0.00200	U	0.100	0.08878		mg/Kg		89	70 - 130	13	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-71106-A-20-A MB — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141008 — **Prep Batch: 140891**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:26	05/15/26 23:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:26	05/15/26 23:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:26	05/15/26 23:33	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/14/26 16:26	05/15/26 23:33	1

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-71106-A-20-A MB
Matrix: Solid
Analysis Batch: 141008

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140891

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:26	05/15/26 23:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 16:26	05/15/26 23:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*05/14/26 16:26*	*05/15/26 23:33*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*05/14/26 16:26*	*05/15/26 23:33*	*1*

Lab Sample ID: MB 880-140891/5-A
Matrix: Solid
Analysis Batch: 141008

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140891

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:26	05/15/26 18:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:26	05/15/26 18:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:26	05/15/26 18:30	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/14/26 16:26	05/15/26 18:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:26	05/15/26 18:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 16:26	05/15/26 18:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*05/14/26 16:26*	*05/15/26 18:30*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/14/26 16:26*	*05/15/26 18:30*	*1*

Lab Sample ID: LCS 880-140891/1-A
Matrix: Solid
Analysis Batch: 141008

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140891

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08971		mg/Kg		90	70 - 130
Toluene	0.100	0.08418		mg/Kg		84	70 - 130
Ethylbenzene	0.100	0.09084		mg/Kg		91	70 - 130
m,p-Xylenes	0.200	0.1744		mg/Kg		87	70 - 130
o-Xylene	0.100	0.07530		mg/Kg		75	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: LCSD 880-140891/2-A
Matrix: Solid
Analysis Batch: 141008

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 140891

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09099		mg/Kg		91	70 - 130	1	35
Toluene	0.100	0.09001		mg/Kg		90	70 - 130	7	35
Ethylbenzene	0.100	0.07759		mg/Kg		78	70 - 130	16	35
m,p-Xylenes	0.200	0.1528		mg/Kg		76	70 - 130	13	35
o-Xylene	0.100	0.07760		mg/Kg		78	70 - 130	3	35

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	82		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 890-9925-A-41-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141008 — **Prep Batch: 140891**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09189		mg/Kg		92	70 - 130
Toluene	<0.00200	U	0.100	0.08504		mg/Kg		85	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.07566		mg/Kg		76	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1630		mg/Kg		81	70 - 130
o-Xylene	<0.00200	U	0.100	0.08099		mg/Kg		81	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-9925-A-41-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141008 — **Prep Batch: 140891**

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	0.08726		mg/Kg		87	70 - 130	5	35
Toluene	<0.00200	U	0.100	0.07929		mg/Kg		79	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.100	0.07107		mg/Kg		71	70 - 130	6	35
m,p-Xylenes	<0.00399	U	0.200	0.1427		mg/Kg		71	70 - 130	13	35
o-Xylene	<0.00200	U	0.100	0.07118		mg/Kg		71	70 - 130	13	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-71106-A-15-C MB — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141009 — **Prep Batch: 140892**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:27	05/16/26 00:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:27	05/16/26 00:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:27	05/16/26 00:08	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/14/26 16:27	05/16/26 00:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:27	05/16/26 00:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 16:27	05/16/26 00:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	05/14/26 16:27	05/16/26 00:08	1
1,4-Difluorobenzene (Surr)	87		70 - 130	05/14/26 16:27	05/16/26 00:08	1

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-140892/5-A
Matrix: Solid
Analysis Batch: 141009

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140892

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:27	05/15/26 18:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:27	05/15/26 18:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:27	05/15/26 18:44	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/14/26 16:27	05/15/26 18:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:27	05/15/26 18:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 16:27	05/15/26 18:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*238*	*S1+*	*70 - 130*	*05/14/26 16:27*	*05/15/26 18:44*	*1*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*	*05/14/26 16:27*	*05/15/26 18:44*	*1*

Lab Sample ID: LCS 880-140892/1-A
Matrix: Solid
Analysis Batch: 141009

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140892

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1083		mg/Kg		108	70 - 130		
Toluene			0.100	0.09498		mg/Kg		95	70 - 130		
Ethylbenzene			0.100	0.1049		mg/Kg		105	70 - 130		
m,p-Xylenes			0.200	0.2032		mg/Kg		102	70 - 130		
o-Xylene			0.100	0.1164		mg/Kg		116	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-140892/2-A
Matrix: Solid
Analysis Batch: 141009

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 140892

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1125		mg/Kg		112	70 - 130	4	35
Toluene			0.100	0.08780		mg/Kg		88	70 - 130	8	35
Ethylbenzene			0.100	0.09295		mg/Kg		93	70 - 130	12	35
m,p-Xylenes			0.200	0.1845		mg/Kg		92	70 - 130	10	35
o-Xylene			0.100	0.1058		mg/Kg		106	70 - 130	10	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

Lab Sample ID: 880-72338-A-1-E MS
Matrix: Solid
Analysis Batch: 141009

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 140892

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.1011		mg/Kg		101	70 - 130		
Toluene	<0.00200	U	0.100	0.08921		mg/Kg		89	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72338-A-1-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141009 — **Prep Batch: 140892**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09353		mg/Kg		94	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1730		mg/Kg		87	70 - 130
o-Xylene	<0.00200	U	0.100	0.1023		mg/Kg		102	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-72338-A-1-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141009 — **Prep Batch: 140892**

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	0.1060		mg/Kg		106	70 - 130	5	35
Toluene	<0.00200	U	0.100	0.07870		mg/Kg		79	70 - 130	13	35
Ethylbenzene	<0.00200	U	0.100	0.08539		mg/Kg		85	70 - 130	9	35
m,p-Xylenes	<0.00399	U	0.200	0.1730		mg/Kg		86	70 - 130	0	35
o-Xylene	<0.00200	U	0.100	0.1041		mg/Kg		104	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: MB 880-141031/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141026 — **Prep Batch: 141031**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/18/26 09:02	05/18/26 11:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/18/26 09:02	05/18/26 11:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/18/26 09:02	05/18/26 11:47	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/18/26 09:02	05/18/26 11:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/18/26 09:02	05/18/26 11:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/18/26 09:02	05/18/26 11:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*05/18/26 09:02*	*05/18/26 11:47*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/18/26 09:02*	*05/18/26 11:47*	*1*

Lab Sample ID: LCS 880-141031/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141026 — **Prep Batch: 141031**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08794		mg/Kg		88	70 - 130
Toluene	0.100	0.09046		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.09538		mg/Kg		95	70 - 130
m,p-Xylenes	0.200	0.1869		mg/Kg		93	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-141031/1-A
Matrix: Solid
Analysis Batch: 141026

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141031

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.09198		mg/Kg		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-141031/2-A
Matrix: Solid
Analysis Batch: 141026

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141031

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08495		mg/Kg		85	70 - 130	3	35
Toluene			0.100	0.08807		mg/Kg		88	70 - 130	3	35
Ethylbenzene			0.100	0.09374		mg/Kg		94	70 - 130	2	35
m,p-Xylenes			0.200	0.1868		mg/Kg		93	70 - 130	0	35
o-Xylene			0.100	0.09181		mg/Kg		92	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-9940-A-1-F MS
Matrix: Solid
Analysis Batch: 141026

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 141031

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.07320		mg/Kg		73	70 - 130		
Toluene	<0.00200	U	0.100	0.07181		mg/Kg		72	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.07512		mg/Kg		75	70 - 130		
m,p-Xylenes	<0.00399	U F1	0.200	0.1304	F1	mg/Kg		65	70 - 130		
o-Xylene	<0.00200	U F1	0.100	0.06339	F1	mg/Kg		63	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 890-9940-A-1-G MSD
Matrix: Solid
Analysis Batch: 141026

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 141031

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	0.08443		mg/Kg		84	70 - 130	14	35
Toluene	<0.00200	U	0.100	0.07905		mg/Kg		79	70 - 130	10	35
Ethylbenzene	<0.00200	U	0.100	0.07755		mg/Kg		78	70 - 130	3	35
m,p-Xylenes	<0.00399	U F1	0.200	0.1303	F1	mg/Kg		65	70 - 130	0	35
o-Xylene	<0.00200	U F1	0.100	0.06275	F1	mg/Kg		63	70 - 130	1	35

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

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

Lab Sample ID: 890-9940-A-1-G MSD
Matrix: Solid
Analysis Batch: 141026

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 141031

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	73		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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

Lab Sample ID: MB 880-140904/1-A
Matrix: Solid
Analysis Batch: 140942

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140904

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		05/14/26 17:03	05/15/26 08:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/26 17:03	05/15/26 08:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/26 17:03	05/15/26 08:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130	05/14/26 17:03	05/15/26 08:34	1
o-Terphenyl (Surr)	86		70 - 130	05/14/26 17:03	05/15/26 08:34	1

Lab Sample ID: LCS 880-140904/2-A
Matrix: Solid
Analysis Batch: 140942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140904

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	926.3		mg/Kg		93	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	955.5		mg/Kg		96	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	86		70 - 130
o-Terphenyl (Surr)	76		70 - 130

Lab Sample ID: LCSD 880-140904/3-A
Matrix: Solid
Analysis Batch: 140942

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 140904

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1020		mg/Kg		102	70 - 130	10	20
Diesel Range Organics (Over C10-C28)			1000	1061		mg/Kg		106	70 - 130	10	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	94		70 - 130
o-Terphenyl (Surr)	83		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72339-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 140942 — **Prep Batch: 140904**

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	995	909.2		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	995	923.8		mg/Kg		93	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*101*		*70 - 130*
o-Terphenyl (Surr)	*89*		*70 - 130*

Lab Sample ID: 880-72339-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 140942 — **Prep Batch: 140904**

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	995	910.7		mg/Kg		92	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	995	924.0		mg/Kg		93	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*102*		*70 - 130*
o-Terphenyl (Surr)	*90*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-140956/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 140971

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/15/26 18:07	1

Lab Sample ID: LCS 880-140956/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 140971

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	239.5		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-140956/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 140971

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	264.2		mg/Kg		106	90 - 110	10	20

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-72336-10 MS
Matrix: Solid
Analysis Batch: 140971

Client Sample ID: SW-21(2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<9.98	U	250	253.2		mg/Kg		100	90 - 110

Lab Sample ID: 880-72336-10 MSD
Matrix: Solid
Analysis Batch: 140971

Client Sample ID: SW-21(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	<9.98	U	250	279.8		mg/Kg		110	90 - 110	10	20

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

GC VOA

Prep Batch: 140885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72336-9	SW-20(3.0-4.0')	Total/NA	Solid	5035	
880-72336-10	SW-21(2.0')	Total/NA	Solid	5035	
880-71106-A-18-A MB	Method Blank	Total/NA	Solid	5035	
MB 880-140885/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-140885/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-140885/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-72279-A-3-D MS	Matrix Spike	Total/NA	Solid	5035	
880-72279-A-3-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 140891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72336-12	SW-23(2.0')	Total/NA	Solid	5035	
880-71106-A-20-A MB	Method Blank	Total/NA	Solid	5035	
MB 880-140891/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-140891/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-140891/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9925-A-41-E MS	Matrix Spike	Total/NA	Solid	5035	
890-9925-A-41-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 140892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72336-1	SW-12(4.0')	Total/NA	Solid	5035	
880-72336-2	SW-13(4.0')	Total/NA	Solid	5035	
880-72336-3	SW-14(4.0')	Total/NA	Solid	5035	
880-72336-4	SW-15(4.0')	Total/NA	Solid	5035	
880-72336-5	SW-16(4.0')	Total/NA	Solid	5035	
880-72336-6	SW-17(4.0')	Total/NA	Solid	5035	
880-72336-7	SW-18(4.0')	Total/NA	Solid	5035	
880-72336-8	SW-19(4.0')	Total/NA	Solid	5035	
880-71106-A-15-C MB	Method Blank	Total/NA	Solid	5035	
MB 880-140892/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-140892/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-140892/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-72338-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-72338-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 140922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72336-9	SW-20(3.0-4.0')	Total/NA	Solid	8021B	140885
880-72336-10	SW-21(2.0')	Total/NA	Solid	8021B	140885
880-71106-A-18-A MB	Method Blank	Total/NA	Solid	8021B	140885
MB 880-140885/5-A	Method Blank	Total/NA	Solid	8021B	140885
LCS 880-140885/1-A	Lab Control Sample	Total/NA	Solid	8021B	140885
LCSD 880-140885/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	140885
880-72279-A-3-D MS	Matrix Spike	Total/NA	Solid	8021B	140885
880-72279-A-3-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	140885

Analysis Batch: 141008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72336-12	SW-23(2.0')	Total/NA	Solid	8021B	140891
880-71106-A-20-A MB	Method Blank	Total/NA	Solid	8021B	140891

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

GC VOA (Continued)

Analysis Batch: 141008 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-140891/5-A	Method Blank	Total/NA	Solid	8021B	140891
LCS 880-140891/1-A	Lab Control Sample	Total/NA	Solid	8021B	140891
LCSD 880-140891/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	140891
890-9925-A-41-E MS	Matrix Spike	Total/NA	Solid	8021B	140891
890-9925-A-41-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	140891

Analysis Batch: 141009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72336-1	SW-12(4.0')	Total/NA	Solid	8021B	140892
880-72336-2	SW-13(4.0')	Total/NA	Solid	8021B	140892
880-72336-3	SW-14(4.0')	Total/NA	Solid	8021B	140892
880-72336-4	SW-15(4.0')	Total/NA	Solid	8021B	140892
880-72336-5	SW-16(4.0')	Total/NA	Solid	8021B	140892
880-72336-6	SW-17(4.0')	Total/NA	Solid	8021B	140892
880-72336-7	SW-18(4.0')	Total/NA	Solid	8021B	140892
880-72336-8	SW-19(4.0')	Total/NA	Solid	8021B	140892
880-71106-A-15-C MB	Method Blank	Total/NA	Solid	8021B	140892
MB 880-140892/5-A	Method Blank	Total/NA	Solid	8021B	140892
LCS 880-140892/1-A	Lab Control Sample	Total/NA	Solid	8021B	140892
LCSD 880-140892/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	140892
880-72338-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	140892
880-72338-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	140892

Analysis Batch: 141026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72336-11	SW-22(2.0')	Total/NA	Solid	8021B	141031
MB 880-141031/5-A	Method Blank	Total/NA	Solid	8021B	141031
LCS 880-141031/1-A	Lab Control Sample	Total/NA	Solid	8021B	141031
LCSD 880-141031/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	141031
890-9940-A-1-F MS	Matrix Spike	Total/NA	Solid	8021B	141031
890-9940-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	141031

Prep Batch: 141031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72336-11	SW-22(2.0')	Total/NA	Solid	5035	
MB 880-141031/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-141031/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-141031/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9940-A-1-F MS	Matrix Spike	Total/NA	Solid	5035	
890-9940-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 141046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72336-1	SW-12(4.0')	Total/NA	Solid	Total BTEX	
880-72336-2	SW-13(4.0')	Total/NA	Solid	Total BTEX	
880-72336-3	SW-14(4.0')	Total/NA	Solid	Total BTEX	
880-72336-4	SW-15(4.0')	Total/NA	Solid	Total BTEX	
880-72336-5	SW-16(4.0')	Total/NA	Solid	Total BTEX	
880-72336-6	SW-17(4.0')	Total/NA	Solid	Total BTEX	
880-72336-7	SW-18(4.0')	Total/NA	Solid	Total BTEX	
880-72336-8	SW-19(4.0')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

GC VOA (Continued)

Analysis Batch: 141046 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72336-9	SW-20(3.0-4.0')	Total/NA	Solid	Total BTEX	
880-72336-10	SW-21(2.0')	Total/NA	Solid	Total BTEX	
880-72336-11	SW-22(2.0')	Total/NA	Solid	Total BTEX	
880-72336-12	SW-23(2.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 140904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72336-1	SW-12(4.0')	Total/NA	Solid	8015NM Prep	
880-72336-2	SW-13(4.0')	Total/NA	Solid	8015NM Prep	
880-72336-3	SW-14(4.0')	Total/NA	Solid	8015NM Prep	
880-72336-4	SW-15(4.0')	Total/NA	Solid	8015NM Prep	
880-72336-5	SW-16(4.0')	Total/NA	Solid	8015NM Prep	
880-72336-6	SW-17(4.0')	Total/NA	Solid	8015NM Prep	
880-72336-7	SW-18(4.0')	Total/NA	Solid	8015NM Prep	
880-72336-8	SW-19(4.0')	Total/NA	Solid	8015NM Prep	
880-72336-9	SW-20(3.0-4.0')	Total/NA	Solid	8015NM Prep	
880-72336-10	SW-21(2.0')	Total/NA	Solid	8015NM Prep	
880-72336-11	SW-22(2.0')	Total/NA	Solid	8015NM Prep	
880-72336-12	SW-23(2.0')	Total/NA	Solid	8015NM Prep	
MB 880-140904/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-140904/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-140904/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-72339-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-72339-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 140942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72336-1	SW-12(4.0')	Total/NA	Solid	8015B NM	140904
880-72336-2	SW-13(4.0')	Total/NA	Solid	8015B NM	140904
880-72336-3	SW-14(4.0')	Total/NA	Solid	8015B NM	140904
880-72336-4	SW-15(4.0')	Total/NA	Solid	8015B NM	140904
880-72336-5	SW-16(4.0')	Total/NA	Solid	8015B NM	140904
880-72336-6	SW-17(4.0')	Total/NA	Solid	8015B NM	140904
880-72336-7	SW-18(4.0')	Total/NA	Solid	8015B NM	140904
880-72336-8	SW-19(4.0')	Total/NA	Solid	8015B NM	140904
880-72336-9	SW-20(3.0-4.0')	Total/NA	Solid	8015B NM	140904
880-72336-10	SW-21(2.0')	Total/NA	Solid	8015B NM	140904
880-72336-11	SW-22(2.0')	Total/NA	Solid	8015B NM	140904
880-72336-12	SW-23(2.0')	Total/NA	Solid	8015B NM	140904
MB 880-140904/1-A	Method Blank	Total/NA	Solid	8015B NM	140904
LCS 880-140904/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	140904
LCSD 880-140904/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	140904
880-72339-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	140904
880-72339-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	140904

Analysis Batch: 140979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72336-1	SW-12(4.0')	Total/NA	Solid	8015 NM	
880-72336-2	SW-13(4.0')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 140979 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72336-3	SW-14(4.0')	Total/NA	Solid	8015 NM	
880-72336-4	SW-15(4.0')	Total/NA	Solid	8015 NM	
880-72336-5	SW-16(4.0')	Total/NA	Solid	8015 NM	
880-72336-6	SW-17(4.0')	Total/NA	Solid	8015 NM	
880-72336-7	SW-18(4.0')	Total/NA	Solid	8015 NM	
880-72336-8	SW-19(4.0')	Total/NA	Solid	8015 NM	
880-72336-9	SW-20(3.0-4.0')	Total/NA	Solid	8015 NM	
880-72336-10	SW-21(2.0')	Total/NA	Solid	8015 NM	
880-72336-11	SW-22(2.0')	Total/NA	Solid	8015 NM	
880-72336-12	SW-23(2.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 140956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72336-1	SW-12(4.0')	Soluble	Solid	DI Leach	
880-72336-2	SW-13(4.0')	Soluble	Solid	DI Leach	
880-72336-3	SW-14(4.0')	Soluble	Solid	DI Leach	
880-72336-4	SW-15(4.0')	Soluble	Solid	DI Leach	
880-72336-5	SW-16(4.0')	Soluble	Solid	DI Leach	
880-72336-6	SW-17(4.0')	Soluble	Solid	DI Leach	
880-72336-7	SW-18(4.0')	Soluble	Solid	DI Leach	
880-72336-8	SW-19(4.0')	Soluble	Solid	DI Leach	
880-72336-9	SW-20(3.0-4.0')	Soluble	Solid	DI Leach	
880-72336-10	SW-21(2.0')	Soluble	Solid	DI Leach	
880-72336-11	SW-22(2.0')	Soluble	Solid	DI Leach	
880-72336-12	SW-23(2.0')	Soluble	Solid	DI Leach	
MB 880-140956/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-140956/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-140956/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-72336-10 MS	SW-21(2.0')	Soluble	Solid	DI Leach	
880-72336-10 MSD	SW-21(2.0')	Soluble	Solid	DI Leach	

Analysis Batch: 140971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72336-1	SW-12(4.0')	Soluble	Solid	300.0	140956
880-72336-2	SW-13(4.0')	Soluble	Solid	300.0	140956
880-72336-3	SW-14(4.0')	Soluble	Solid	300.0	140956
880-72336-4	SW-15(4.0')	Soluble	Solid	300.0	140956
880-72336-5	SW-16(4.0')	Soluble	Solid	300.0	140956
880-72336-6	SW-17(4.0')	Soluble	Solid	300.0	140956
880-72336-7	SW-18(4.0')	Soluble	Solid	300.0	140956
880-72336-8	SW-19(4.0')	Soluble	Solid	300.0	140956
880-72336-9	SW-20(3.0-4.0')	Soluble	Solid	300.0	140956
880-72336-10	SW-21(2.0')	Soluble	Solid	300.0	140956
880-72336-11	SW-22(2.0')	Soluble	Solid	300.0	140956
880-72336-12	SW-23(2.0')	Soluble	Solid	300.0	140956
MB 880-140956/1-A	Method Blank	Soluble	Solid	300.0	140956
LCS 880-140956/2-A	Lab Control Sample	Soluble	Solid	300.0	140956
LCSD 880-140956/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	140956
880-72336-10 MS	SW-21(2.0')	Soluble	Solid	300.0	140956

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

HPLC/IC (Continued)

Analysis Batch: 140971 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72336-10 MSD	SW-21(2.0')	Soluble	Solid	300.0	140956

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

Client Sample ID: SW-12(4.0')

Lab Sample ID: 880-72336-1
Matrix: Solid
Date Collected: 05/14/26 10:59
Date Received: 05/14/26 15:33

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	140892	05/14/26 16:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141009	05/16/26 00:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141046	05/16/26 00:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			140979	05/15/26 11:55	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	140904	05/14/26 17:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140942	05/15/26 11:55	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	140956	05/15/26 10:49	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140971	05/15/26 18:37	CS	EET MID

Client Sample ID: SW-13(4.0')

Lab Sample ID: 880-72336-2
Matrix: Solid
Date Collected: 05/14/26 11:04
Date Received: 05/14/26 15:33

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	140892	05/14/26 16:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141009	05/16/26 01:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141046	05/16/26 01:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			140979	05/15/26 12:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	140904	05/14/26 17:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140942	05/15/26 12:10	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	140956	05/15/26 10:49	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140971	05/15/26 18:42	CS	EET MID

Client Sample ID: SW-14(4.0')

Lab Sample ID: 880-72336-3
Matrix: Solid
Date Collected: 05/14/26 11:09
Date Received: 05/14/26 15:33

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	140892	05/14/26 16:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141009	05/16/26 01:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141046	05/16/26 01:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			140979	05/15/26 12:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	140904	05/14/26 17:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140942	05/15/26 12:24	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	140956	05/15/26 10:49	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140971	05/15/26 18:47	CS	EET MID

Client Sample ID: SW-15(4.0')

Lab Sample ID: 880-72336-4
Matrix: Solid
Date Collected: 05/14/26 11:13
Date Received: 05/14/26 15:33

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	140892	05/14/26 16:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141009	05/16/26 01:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141046	05/16/26 01:50	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

Client Sample ID: SW-15(4.0')

Lab Sample ID: 880-72336-4
Matrix: Solid
Date Collected: 05/14/26 11:13
Date Received: 05/14/26 15:33

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			140979	05/15/26 12:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	140904	05/14/26 17:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140942	05/15/26 12:39	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	140956	05/15/26 10:49	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140971	05/15/26 18:52	CS	EET MID

Client Sample ID: SW-16(4.0')

Lab Sample ID: 880-72336-5
Matrix: Solid
Date Collected: 05/14/26 11:19
Date Received: 05/14/26 15:33

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	140892	05/14/26 16:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141009	05/16/26 02:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141046	05/16/26 02:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			140979	05/15/26 12:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	140904	05/14/26 17:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140942	05/15/26 12:53	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	140956	05/15/26 10:49	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140971	05/15/26 19:07	CS	EET MID

Client Sample ID: SW-17(4.0')

Lab Sample ID: 880-72336-6
Matrix: Solid
Date Collected: 05/14/26 11:24
Date Received: 05/14/26 15:33

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	140892	05/14/26 16:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141009	05/16/26 02:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141046	05/16/26 02:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			140979	05/15/26 13:22	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	140904	05/14/26 17:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140942	05/15/26 13:22	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	140956	05/15/26 10:49	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140971	05/15/26 19:12	CS	EET MID

Client Sample ID: SW-18(4.0')

Lab Sample ID: 880-72336-7
Matrix: Solid
Date Collected: 05/14/26 11:29
Date Received: 05/14/26 15:33

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	140892	05/14/26 16:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141009	05/16/26 02:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141046	05/16/26 02:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			140979	05/15/26 13:37	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	140904	05/14/26 17:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140942	05/15/26 13:37	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

Client Sample ID: SW-18(4.0')

Lab Sample ID: 880-72336-7
Matrix: Solid
Date Collected: 05/14/26 11:29
Date Received: 05/14/26 15:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	140956	05/15/26 10:49	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140971	05/15/26 19:17	CS	EET MID

Client Sample ID: SW-19(4.0')

Lab Sample ID: 880-72336-8
Matrix: Solid
Date Collected: 05/14/26 11:34
Date Received: 05/14/26 15:33

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	140892	05/14/26 16:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141009	05/16/26 03:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141046	05/16/26 03:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			140979	05/15/26 13:52	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	140904	05/14/26 17:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140942	05/15/26 13:52	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	140956	05/15/26 10:49	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140971	05/15/26 19:22	CS	EET MID

Client Sample ID: SW-20(3.0-4.0')

Lab Sample ID: 880-72336-9
Matrix: Solid
Date Collected: 05/14/26 11:39
Date Received: 05/14/26 15:33

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	140885	05/14/26 16:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140922	05/15/26 17:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141046	05/15/26 17:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			140979	05/15/26 14:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	140904	05/14/26 17:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140942	05/15/26 14:06	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	140956	05/15/26 10:49	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140971	05/15/26 19:27	CS	EET MID

Client Sample ID: SW-21(2.0')

Lab Sample ID: 880-72336-10
Matrix: Solid
Date Collected: 05/14/26 11:42
Date Received: 05/14/26 15:33

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	140885	05/14/26 16:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140922	05/15/26 17:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141046	05/15/26 17:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			140979	05/15/26 14:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	140904	05/14/26 17:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140942	05/15/26 14:21	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	140956	05/15/26 10:49	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140971	05/15/26 19:32	CS	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

Client Sample ID: SW-22(2.0')

Date Collected: 05/14/26 11:46
Date Received: 05/14/26 15:33

Lab Sample ID: 880-72336-11

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			4.98 g	5 mL	141031	05/18/26 09:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141026	05/18/26 12:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141046	05/18/26 12:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			140979	05/15/26 14:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	140904	05/14/26 17:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140942	05/15/26 14:36	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	140956	05/15/26 10:49	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140971	05/15/26 19:47	CS	EET MID

Client Sample ID: SW-23(2.0')

Date Collected: 05/14/26 11:51
Date Received: 05/14/26 15:33

Lab Sample ID: 880-72336-12

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	140891	05/14/26 16:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141008	05/16/26 02:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141046	05/16/26 02:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			140979	05/15/26 14:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	140904	05/14/26 17:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140942	05/15/26 14:51	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	140956	05/15/26 10:49	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140971	05/15/26 19:52	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-72336-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. 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: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72336-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-72336-1	SW-12(4.0')	Solid	05/14/26 10:59	05/14/26 15:33	New Mexico
880-72336-2	SW-13(4.0')	Solid	05/14/26 11:04	05/14/26 15:33	New Mexico
880-72336-3	SW-14(4.0')	Solid	05/14/26 11:09	05/14/26 15:33	New Mexico
880-72336-4	SW-15(4.0')	Solid	05/14/26 11:13	05/14/26 15:33	New Mexico
880-72336-5	SW-16(4.0')	Solid	05/14/26 11:19	05/14/26 15:33	New Mexico
880-72336-6	SW-17(4.0')	Solid	05/14/26 11:24	05/14/26 15:33	New Mexico
880-72336-7	SW-18(4.0')	Solid	05/14/26 11:29	05/14/26 15:33	New Mexico
880-72336-8	SW-19(4.0')	Solid	05/14/26 11:34	05/14/26 15:33	New Mexico
880-72336-9	SW-20(3.0-4.0')	Solid	05/14/26 11:39	05/14/26 15:33	New Mexico
880-72336-10	SW-21(2.0')	Solid	05/14/26 11:42	05/14/26 15:33	New Mexico
880-72336-11	SW-22(2.0')	Solid	05/14/26 11:46	05/14/26 15:33	New Mexico
880-72336-12	SW-23(2.0')	Solid	05/14/26 11:51	05/14/26 15:33	New Mexico

Page 372 of 957

Chain of Custody

880-72336 Chain of Custody

880-72336 COC

5/18/2026

Page ___1___ of ___2___

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date:	72 HR
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.8
Total Containers:		Corrected Temperature:	5.9

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold
SW-12 (4.0')	5/14/2026	10:59	X		Comp	1	X	X	X	
SW-13 (4.0')	5/14/2026	11:04	X		Comp	1	X	X	X	
SW-14 (4.0')	5/14/2026	11:09	X		Comp	1	X	X	X	
SW-15 (4.0')	5/14/2026	11:13	X		Comp	1	X	X	X	
SW-16 (4.0')	5/14/2026	11:19	X		Comp	1	X	X	X	
SW-17 (4.0')	5/14/2026	11:24	X		Comp	1	X	X	X	
SW-18 (4.0')	5/14/2026	11:29	X		Comp	1	X	X	X	
SW-19 (4.0')	5/14/2026	11:34	X		Comp	1	X	X	X	
SW-20 (2.0'-4.0')	5/14/2026	11:39	X		Comp	1	X	X	X	
SW-21 (2.0')	5/14/2026	11:42	X		Comp	1	X	X	X	

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5.14.26 15:33		5.14.26 15:33

Page 39 of 41

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Page 373 of 957

Chain of Custody

Work Order No: _____

5/18/2026

Page 2 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	☐ Routine ☑ Rush
Project Number:	3202	Due Date:	72 HR
Project Location	Lea County, New Mexico		
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.8
Total Containers:		Corrected Temperature:	5.9

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
SW-22 (2.0')	5/14/2026	11:46	X		Comp	1	X	X	X		
SW-23 (2.0')	5/14/2026	11:51	X		Comp	1	X	X	X		

Pres. Code / Parameters

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5.14.24 15:33		5.14.24 15:33

Page 40 of 41

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-72336-1
SDG Number: Lea County New Mexico

Login Number: 72336
List Number: 1
Creator: Juarez, Leticia

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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/26/2026 4:48:23 PM

JOB DESCRIPTION

Matador Gavalon (03.13.2026)
Lea County New Mexico

JOB NUMBER

880-72582-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 6/23/2026 8:46:47 AM

my EOL

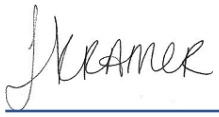
Eurofins Midland

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
5/26/2026 4:48:23 PM

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

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Laboratory Job ID: 880-72582-1
SDG: Lea County New Mexico

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 7
Surrogate Summary 20
QC Sample Results 22
QC Association Summary 31
Lab Chronicle 36
Certification Summary 42
Method Summary 43
Sample Summary 44
Chain of Custody 45
Receipt Checklists 47

Definitions/Glossary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1

Job ID: 880-72582-1 Eurofins Midland

Job Narrative
880-72582-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 5/20/2026 3:37 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 4.8°C.

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: CS - 36 (2.0') (880-72582-9), CS - 37 (2.0') (880-72582-10), CS - 40 (2.0') (880-72582-13), CS - 41 (2.0') (880-72582-14), CS - 42 (2.0') (880-72582-15), CS - 43 (2.0') (880-72582-16), CS - 44 (2.0') (880-72582-17), (CCV 880-141667/2) and (880-72582-A-9-E MSD). Evidence of matrix interferences is not obvious.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-141716 and analytical batch 880-141667 was outside the upper control limits.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-141568 and analytical batch 880-141574 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS - 31 (0.5') (880-72582-4), CS - 32 (0.5') (880-72582-5) and CS - 33 (0.5') (880-72582-6). Evidence of matrix interferences is not obvious.

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

Diesel Range Organics
Method 8015B NM: Surrogate recovery for the following samples were outside control limits: CS - 30 (0.5') (880-72582-3) and (880-72580-A-81-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-141406/2-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: CS - 43 (2.0') (880-72582-16). Evidence of matrix interferences is not obvious.

Method 8015B NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-141405 and analytical batch 880-141636 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-141405 and analytical batch 880-141636 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 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-141406 and analytical batch 880-141636 was outside control limits. Sample matrix interference and/or non-homogeneity is suspected.

Eurofins Midland

Released to Imaging: 6/25/2026 8:46:47 AM

Case Narrative

Client: Carmona Resources Job ID: 880-72582-1
Project: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1 (Continued) Eurofins Midland

Method 8015B NM: LCS biased for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). Since only an acceptable LCS or LCSD is required per the method, the LCSD shows recovery for the batch therefore the data has been qualified and reported.

(LCS 880-141406/2-A)

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.

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

Client Sample ID: CS - 28 (0.5')

Lab Sample ID: 880-72582-1
Matrix: Solid
Date Collected: 05/20/26 09:00
Date Received: 05/20/26 15:37

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		05/22/26 09:05	05/23/26 00:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/22/26 09:05	05/23/26 00:31	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		05/22/26 09:05	05/23/26 00:31	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/22/26 09:05	05/23/26 00:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/22/26 09:05	05/23/26 00:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/22/26 09:05	05/23/26 00:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*05/22/26 09:05*	*05/23/26 00:31*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/22/26 09:05*	*05/23/26 00:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/23/26 00:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/22/26 21:03	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		05/20/26 17:50	05/22/26 21:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		05/20/26 17:50	05/22/26 21:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/20/26 17:50	05/22/26 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*96*		*70 - 130*	*05/20/26 17:50*	*05/22/26 21:03*	*1*
o-Terphenyl (Surr)	*113*		*70 - 130*	*05/20/26 17:50*	*05/22/26 21:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.6**		10.0		mg/Kg			05/22/26 05:47	1

Client Sample ID: CS - 29 (0.5')

Lab Sample ID: 880-72582-2
Matrix: Solid
Date Collected: 05/20/26 09:05
Date Received: 05/20/26 15:37

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		05/22/26 09:05	05/23/26 00:52	1
Toluene	**0.00274**		0.00201		mg/Kg		05/22/26 09:05	05/23/26 00:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/22/26 09:05	05/23/26 00:52	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/22/26 09:05	05/23/26 00:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/22/26 09:05	05/23/26 00:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/22/26 09:05	05/23/26 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*05/22/26 09:05*	*05/23/26 00:52*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/22/26 09:05*	*05/23/26 00:52*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

Client Sample ID: CS - 29 (0.5')

Lab Sample ID: 880-72582-2
Date Collected: 05/20/26 09:05
Matrix: Solid
Date Received: 05/20/26 15:37

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			05/23/26 00:52	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			05/22/26 21:24	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	<50.0	U	50.0		mg/Kg		05/20/26 17:50	05/22/26 21:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		05/20/26 17:50	05/22/26 21:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/26 17:50	05/22/26 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*100*		*70 - 130*	*05/20/26 17:50*	*05/22/26 21:24*	*1*
o-Terphenyl (Surr)	*110*		*70 - 130*	*05/20/26 17:50*	*05/22/26 21:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**56.4**		10.1		mg/Kg			05/22/26 06:27	1

Client Sample ID: CS - 30 (0.5')

Lab Sample ID: 880-72582-3
Date Collected: 05/20/26 09:08
Matrix: Solid
Date Received: 05/20/26 15:37

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		05/22/26 09:05	05/23/26 01:33	1
Toluene	**0.00405**		0.00202		mg/Kg		05/22/26 09:05	05/23/26 01:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/22/26 09:05	05/23/26 01:33	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/22/26 09:05	05/23/26 01:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/22/26 09:05	05/23/26 01:33	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/22/26 09:05	05/23/26 01:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*05/22/26 09:05*	*05/23/26 01:33*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/22/26 09:05*	*05/23/26 01:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00405**		0.00404		mg/Kg			05/23/26 01:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/22/26 21:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/20/26 17:50	05/22/26 21:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		05/20/26 17:50	05/22/26 21:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

Client Sample ID: CS - 30 (0.5')

Lab Sample ID: 880-72582-3
Matrix: Solid
Date Collected: 05/20/26 09:08
Date Received: 05/20/26 15:37

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		05/20/26 17:50	05/22/26 21:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*115*		*70 - 130*	*05/20/26 17:50*	*05/22/26 21:44*	*1*
o-Terphenyl (Surr)	*131*	*S1+*	*70 - 130*	*05/20/26 17:50*	*05/22/26 21:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29.8**		10.1		mg/Kg			05/22/26 06:41	1

Client Sample ID: CS - 31 (0.5')

Lab Sample ID: 880-72582-4
Matrix: Solid
Date Collected: 05/20/26 09:12
Date Received: 05/20/26 15:37

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		05/22/26 09:05	05/23/26 01:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/22/26 09:05	05/23/26 01:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/22/26 09:05	05/23/26 01:54	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/22/26 09:05	05/23/26 01:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/22/26 09:05	05/23/26 01:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/22/26 09:05	05/23/26 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*05/22/26 09:05*	*05/23/26 01:54*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/22/26 09:05*	*05/23/26 01:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/23/26 01:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/22/26 22:05	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	<50.1	U	50.1		mg/Kg		05/20/26 17:50	05/22/26 22:05	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		05/20/26 17:50	05/22/26 22:05	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/20/26 17:50	05/22/26 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*70*		*70 - 130*	*05/20/26 17:50*	*05/22/26 22:05*	*1*
o-Terphenyl (Surr)	*79*		*70 - 130*	*05/20/26 17:50*	*05/22/26 22:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**821**		9.96		mg/Kg			05/22/26 06:54	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

Client Sample ID: CS - 32 (0.5')

Lab Sample ID: 880-72582-5
Matrix: Solid
Date Collected: 05/20/26 09:16
Date Received: 05/20/26 15:37

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		05/22/26 09:05	05/23/26 02:14	1
Toluene	**0.00236**		0.00200		mg/Kg		05/22/26 09:05	05/23/26 02:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/22/26 09:05	05/23/26 02:14	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/22/26 09:05	05/23/26 02:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/22/26 09:05	05/23/26 02:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/22/26 09:05	05/23/26 02:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*05/22/26 09:05*	*05/23/26 02:14*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/22/26 09:05*	*05/23/26 02:14*	*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			05/23/26 02:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			05/22/26 22:25	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	<50.2	U	50.2		mg/Kg		05/20/26 17:50	05/22/26 22:25	1
Diesel Range Organics (Over C10-C28)	<50.2	U *1	50.2		mg/Kg		05/20/26 17:50	05/22/26 22:25	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		05/20/26 17:50	05/22/26 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*05/20/26 17:50*	*05/22/26 22:25*	*1*
o-Terphenyl (Surr)	*102*		*70 - 130*	*05/20/26 17:50*	*05/22/26 22:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42.1**		9.98		mg/Kg			05/22/26 07:07	1

Client Sample ID: CS - 33 (0.5')

Lab Sample ID: 880-72582-6
Matrix: Solid
Date Collected: 05/20/26 09:20
Date Received: 05/20/26 15:37

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		05/22/26 09:05	05/23/26 02:35	1
Toluene	**0.00211**		0.00201		mg/Kg		05/22/26 09:05	05/23/26 02:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/22/26 09:05	05/23/26 02:35	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/22/26 09:05	05/23/26 02:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/22/26 09:05	05/23/26 02:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/22/26 09:05	05/23/26 02:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*05/22/26 09:05*	*05/23/26 02:35*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/22/26 09:05*	*05/23/26 02:35*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

Client Sample ID: CS - 33 (0.5')

Lab Sample ID: 880-72582-6
Matrix: Solid
Date Collected: 05/20/26 09:20
Date Received: 05/20/26 15:37

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			05/23/26 02:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/22/26 22:45	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	<50.1	U	50.1		mg/Kg		05/20/26 17:50	05/22/26 22:45	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		05/20/26 17:50	05/22/26 22:45	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/20/26 17:50	05/22/26 22:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*82*		*70 - 130*	*05/20/26 17:50*	*05/22/26 22:45*	*1*
o-Terphenyl (Surr)	*90*		*70 - 130*	*05/20/26 17:50*	*05/22/26 22:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.0**		10.0		mg/Kg			05/22/26 07:47	1

Client Sample ID: CS - 34 (2.0')

Lab Sample ID: 880-72582-7
Matrix: Solid
Date Collected: 05/20/26 11:11
Date Received: 05/20/26 15:37

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		05/26/26 09:00	05/26/26 13:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/26/26 09:00	05/26/26 13:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/26/26 09:00	05/26/26 13:41	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/26/26 09:00	05/26/26 13:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/26/26 09:00	05/26/26 13:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/26/26 09:00	05/26/26 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*05/26/26 09:00*	*05/26/26 13:41*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/26/26 09:00*	*05/26/26 13:41*	*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			05/26/26 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/23/26 01:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F2 *- *1	50.1		mg/Kg		05/20/26 17:51	05/23/26 01:09	1
Diesel Range Organics (Over C10-C28)	<50.1	U F1 *- *1	50.1		mg/Kg		05/20/26 17:51	05/23/26 01:09	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

Client Sample ID: CS - 34 (2.0')

Lab Sample ID: 880-72582-7
Matrix: Solid
Date Collected: 05/20/26 11:11
Date Received: 05/20/26 15:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/20/26 17:51	05/23/26 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*103*		*70 - 130*	*05/20/26 17:51*	*05/23/26 01:09*	*1*
o-Terphenyl (Surr)	*117*		*70 - 130*	*05/20/26 17:51*	*05/23/26 01:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/22/26 08:01	1

Client Sample ID: CS - 35 (2.0')

Lab Sample ID: 880-72582-8
Matrix: Solid
Date Collected: 05/20/26 11:13
Date Received: 05/20/26 15:37

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		05/26/26 09:00	05/26/26 14:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/26/26 09:00	05/26/26 14:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/26/26 09:00	05/26/26 14:02	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/26/26 09:00	05/26/26 14:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/26/26 09:00	05/26/26 14:02	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/26/26 09:00	05/26/26 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*05/26/26 09:00*	*05/26/26 14:02*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/26/26 09:00*	*05/26/26 14:02*	*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			05/26/26 14:02	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			05/23/26 02:10	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		05/20/26 17:51	05/23/26 02:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U *- *1	50.0		mg/Kg		05/20/26 17:51	05/23/26 02:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/26 17:51	05/23/26 02:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*106*		*70 - 130*	*05/20/26 17:51*	*05/23/26 02:10*	*1*
o-Terphenyl (Surr)	*114*		*70 - 130*	*05/20/26 17:51*	*05/23/26 02:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			05/22/26 08:14	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

Client Sample ID: CS - 36 (2.0')

Lab Sample ID: 880-72582-9
Matrix: Solid
Date Collected: 05/20/26 11:15
Date Received: 05/20/26 15:37

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		05/26/26 10:36	05/26/26 12:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 12:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 12:08	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/26/26 10:36	05/26/26 12:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 12:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/26/26 10:36	05/26/26 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*05/26/26 10:36*	*05/26/26 12:08*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*05/26/26 10:36*	*05/26/26 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			05/26/26 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	<49.9	U	49.9		mg/Kg			05/23/26 02:30	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 *- *1	49.9		mg/Kg		05/20/26 17:51	05/23/26 02:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U *- *1	49.9		mg/Kg		05/20/26 17:51	05/23/26 02:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/20/26 17:51	05/23/26 02:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*104*		*70 - 130*	*05/20/26 17:51*	*05/23/26 02:30*	*1*
o-Terphenyl (Surr)	*108*		*70 - 130*	*05/20/26 17:51*	*05/23/26 02:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/22/26 08:27	1

Client Sample ID: CS - 37 (2.0')

Lab Sample ID: 880-72582-10
Matrix: Solid
Date Collected: 05/20/26 11:19
Date Received: 05/20/26 15:37

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		05/26/26 10:36	05/26/26 12:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/26/26 10:36	05/26/26 12:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/26/26 10:36	05/26/26 12:28	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/26/26 10:36	05/26/26 12:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/26/26 10:36	05/26/26 12:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/26/26 10:36	05/26/26 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*05/26/26 10:36*	*05/26/26 12:28*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*05/26/26 10:36*	*05/26/26 12:28*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

Client Sample ID: CS - 37 (2.0')

Lab Sample ID: 880-72582-10
Matrix: Solid
Date Collected: 05/20/26 11:19
Date Received: 05/20/26 15:37

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			05/26/26 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	<50.0	U	50.0		mg/Kg			05/23/26 02:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *- *1	50.0		mg/Kg		05/20/26 17:51	05/23/26 02:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U *- *1	50.0		mg/Kg		05/20/26 17:51	05/23/26 02:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/26 17:51	05/23/26 02:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*103*		*70 - 130*	*05/20/26 17:51*	*05/23/26 02:50*	*1*
o-Terphenyl (Surr)	*117*		*70 - 130*	*05/20/26 17:51*	*05/23/26 02:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			05/22/26 08:41	1

Client Sample ID: CS - 38 (2.0')

Lab Sample ID: 880-72582-11
Matrix: Solid
Date Collected: 05/20/26 11:22
Date Received: 05/20/26 15:37

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		05/26/26 10:36	05/26/26 12:49	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/26/26 10:36	05/26/26 12:49	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/26/26 10:36	05/26/26 12:49	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/26/26 10:36	05/26/26 12:49	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/26/26 10:36	05/26/26 12:49	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/26/26 10:36	05/26/26 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*05/26/26 10:36*	*05/26/26 12:49*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*05/26/26 10:36*	*05/26/26 12:49*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/26/26 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	<49.8	U	49.8		mg/Kg			05/23/26 03:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *- *1	49.8		mg/Kg		05/20/26 17:51	05/23/26 03:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U *- *1	49.8		mg/Kg		05/20/26 17:51	05/23/26 03:11	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

Client Sample ID: CS - 38 (2.0')

Lab Sample ID: 880-72582-11
Date Collected: 05/20/26 11:22
Matrix: Solid
Date Received: 05/20/26 15:37

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		05/20/26 17:51	05/23/26 03:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*93*		*70 - 130*	*05/20/26 17:51*	*05/23/26 03:11*	*1*
o-Terphenyl (Surr)	*105*		*70 - 130*	*05/20/26 17:51*	*05/23/26 03:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.2**		10.0		mg/Kg			05/22/26 08:54	1

Client Sample ID: CS - 39 (2.0')

Lab Sample ID: 880-72582-12
Date Collected: 05/20/26 11:25
Matrix: Solid
Date Received: 05/20/26 15:37

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		05/26/26 10:36	05/26/26 13:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/26/26 10:36	05/26/26 13:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/26/26 10:36	05/26/26 13:09	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/26/26 10:36	05/26/26 13:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/26/26 10:36	05/26/26 13:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/26/26 10:36	05/26/26 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*05/26/26 10:36*	*05/26/26 13:09*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*05/26/26 10:36*	*05/26/26 13:09*	*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			05/26/26 13:09	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			05/23/26 03:31	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	<50.0	U *- *1	50.0		mg/Kg		05/20/26 17:51	05/23/26 03:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U *- *1	50.0		mg/Kg		05/20/26 17:51	05/23/26 03:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/26 17:51	05/23/26 03:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*100*		*70 - 130*	*05/20/26 17:51*	*05/23/26 03:31*	*1*
o-Terphenyl (Surr)	*98*		*70 - 130*	*05/20/26 17:51*	*05/23/26 03:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**116**		10.1		mg/Kg			05/22/26 09:34	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

Client Sample ID: CS - 40 (2.0')

Lab Sample ID: 880-72582-13
Matrix: Solid
Date Collected: 05/20/26 11:29
Date Received: 05/20/26 15:37

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		05/26/26 10:36	05/26/26 13:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 13:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 13:30	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/26/26 10:36	05/26/26 13:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 13:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/26/26 10:36	05/26/26 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*05/26/26 10:36*	*05/26/26 13:30*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*05/26/26 10:36*	*05/26/26 13:30*	*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			05/26/26 13:30	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			05/23/26 03:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *- *1	49.8		mg/Kg		05/20/26 17:51	05/23/26 03:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U *- *1	49.8		mg/Kg		05/20/26 17:51	05/23/26 03:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/20/26 17:51	05/23/26 03:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*05/20/26 17:51*	*05/23/26 03:51*	*1*
o-Terphenyl (Surr)	*110*		*70 - 130*	*05/20/26 17:51*	*05/23/26 03:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.0**		9.96		mg/Kg			05/22/26 09:47	1

Client Sample ID: CS - 41 (2.0')

Lab Sample ID: 880-72582-14
Matrix: Solid
Date Collected: 05/20/26 11:32
Date Received: 05/20/26 15:37

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		05/26/26 10:36	05/26/26 13:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/26/26 10:36	05/26/26 13:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/26/26 10:36	05/26/26 13:50	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/26/26 10:36	05/26/26 13:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/26/26 10:36	05/26/26 13:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/26/26 10:36	05/26/26 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*	*05/26/26 10:36*	*05/26/26 13:50*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*05/26/26 10:36*	*05/26/26 13:50*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

Client Sample ID: CS - 41 (2.0')

Lab Sample ID: 880-72582-14
Matrix: Solid
Date Collected: 05/20/26 11:32
Date Received: 05/20/26 15:37

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			05/26/26 13:50	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			05/23/26 04:12	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	<49.9	U *- *1	49.9		mg/Kg		05/20/26 17:51	05/23/26 04:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U *- *1	49.9		mg/Kg		05/20/26 17:51	05/23/26 04:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/20/26 17:51	05/23/26 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*05/20/26 17:51*	*05/23/26 04:12*	*1*
o-Terphenyl (Surr)	*109*		*70 - 130*	*05/20/26 17:51*	*05/23/26 04:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			05/22/26 10:56	1

Client Sample ID: CS - 42 (2.0')

Lab Sample ID: 880-72582-15
Matrix: Solid
Date Collected: 05/20/26 11:34
Date Received: 05/20/26 15:37

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		05/26/26 10:36	05/26/26 14:10	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/26/26 10:36	05/26/26 14:10	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/26/26 10:36	05/26/26 14:10	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/26/26 10:36	05/26/26 14:10	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/26/26 10:36	05/26/26 14:10	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/26/26 10:36	05/26/26 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*05/26/26 10:36*	*05/26/26 14:10*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*05/26/26 10:36*	*05/26/26 14:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/26/26 14:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/23/26 04:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *- *1	50.0		mg/Kg		05/20/26 17:51	05/23/26 04:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U *- *1	50.0		mg/Kg		05/20/26 17:51	05/23/26 04:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

Client Sample ID: CS - 42 (2.0')

Lab Sample ID: 880-72582-15
Matrix: Solid
Date Collected: 05/20/26 11:34
Date Received: 05/20/26 15:37

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		05/20/26 17:51	05/23/26 04:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*94*		*70 - 130*	*05/20/26 17:51*	*05/23/26 04:33*	*1*
o-Terphenyl (Surr)	*106*		*70 - 130*	*05/20/26 17:51*	*05/23/26 04:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.7**		10.1		mg/Kg			05/22/26 11:09	1

Client Sample ID: CS - 43 (2.0')

Lab Sample ID: 880-72582-16
Matrix: Solid
Date Collected: 05/20/26 11:37
Date Received: 05/20/26 15:37

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		05/26/26 10:36	05/26/26 14:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 14:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 14:31	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/26/26 10:36	05/26/26 14:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 14:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/26/26 10:36	05/26/26 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*05/26/26 10:36*	*05/26/26 14:31*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*05/26/26 10:36*	*05/26/26 14:31*	*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			05/26/26 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/23/26 04:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *- *1	49.8		mg/Kg		05/20/26 17:51	05/23/26 04:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U *- *1	49.8		mg/Kg		05/20/26 17:51	05/23/26 04:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/20/26 17:51	05/23/26 04:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*69*	*S1-*	*70 - 130*	*05/20/26 17:51*	*05/23/26 04:53*	*1*
o-Terphenyl (Surr)	*73*		*70 - 130*	*05/20/26 17:51*	*05/23/26 04:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**112**		10.0		mg/Kg			05/22/26 11:23	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

Client Sample ID: CS - 44 (2.0')

Date Collected: 05/20/26 11:45
Date Received: 05/20/26 15:37

Lab Sample ID: 880-72582-17

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		05/26/26 10:36	05/26/26 14:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 14:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 14:51	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/26/26 10:36	05/26/26 14:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 14:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/26/26 10:36	05/26/26 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*05/26/26 10:36*	*05/26/26 14:51*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*05/26/26 10:36*	*05/26/26 14:51*	*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			05/26/26 14:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/23/26 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	<50.1	U *- *1	50.1		mg/Kg		05/20/26 17:51	05/23/26 05:34	1
Diesel Range Organics (Over C10-C28)	<50.1	U *- *1	50.1		mg/Kg		05/20/26 17:51	05/23/26 05:34	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/20/26 17:51	05/23/26 05:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*112*		*70 - 130*	*05/20/26 17:51*	*05/23/26 05:34*	*1*
o-Terphenyl (Surr)	*120*		*70 - 130*	*05/20/26 17:51*	*05/23/26 05:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.1**		10.1		mg/Kg			05/22/26 11:36	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-72582-1	CS - 28 (0.5')	120	96
880-72582-1 MS	CS - 28 (0.5')	93	94
880-72582-1 MSD	CS - 28 (0.5')	80	96
880-72582-2	CS - 29 (0.5')	127	102
880-72582-3	CS - 30 (0.5')	128	98
880-72582-4	CS - 31 (0.5')	136 S1+	104
880-72582-5	CS - 32 (0.5')	134 S1+	104
880-72582-6	CS - 33 (0.5')	134 S1+	102
880-72582-7	CS - 34 (2.0')	97	97
880-72582-8	CS - 35 (2.0')	105	100
880-72582-9	CS - 36 (2.0')	137 S1+	87
880-72582-9 MS	CS - 36 (2.0')	114	84
880-72582-9 MSD	CS - 36 (2.0')	132 S1+	88
880-72582-10	CS - 37 (2.0')	131 S1+	87
880-72582-11	CS - 38 (2.0')	115	89
880-72582-12	CS - 39 (2.0')	118	73
880-72582-13	CS - 40 (2.0')	134 S1+	86
880-72582-14	CS - 41 (2.0')	143 S1+	86
880-72582-15	CS - 42 (2.0')	138 S1+	86
880-72582-16	CS - 43 (2.0')	135 S1+	85
880-72582-17	CS - 44 (2.0')	132 S1+	86
880-72591-A-1-D MS	Matrix Spike	97	99
880-72591-A-1-E MSD	Matrix Spike Duplicate	75	112
LCS 880-141568/1-A	Lab Control Sample	82	92
LCS 880-141677/1-A	Lab Control Sample	94	100
LCS 880-141716/1-A	Lab Control Sample	130	82
LCSD 880-141568/2-A	Lab Control Sample Dup	85	94
LCSD 880-141677/2-A	Lab Control Sample Dup	94	100
LCSD 880-141716/2-A	Lab Control Sample Dup	126	85
MB 880-141560/5-A	Method Blank	108	87
MB 880-141568/5-A	Method Blank	115	91
MB 880-141677/5-A	Method Blank	97	93
MB 880-141716/5-A	Method Blank	139 S1+	79

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)
880-72580-A-81-B MS	Matrix Spike	85	87
880-72580-A-81-C MSD	Matrix Spike Duplicate	99	96
880-72582-1	CS - 28 (0.5')	96	113
880-72582-2	CS - 29 (0.5')	100	110
880-72582-3	CS - 30 (0.5')	115	131 S1+
880-72582-4	CS - 31 (0.5')	70	79

Eurofins Midland

Surrogate Summary

Client: Carmona Resources Job ID: 880-72582-1
Project/Site: Matador Gavalon (03.13.2026) SDG: Lea County New Mexico

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
880-72582-5	CS - 32 (0.5')	89	102								
880-72582-6	CS - 33 (0.5')	82	90								
880-72582-7	CS - 34 (2.0')	103	117								
880-72582-7 MS	CS - 34 (2.0')	98	100								
880-72582-7 MSD	CS - 34 (2.0')	119	111								
880-72582-8	CS - 35 (2.0')	106	114								
880-72582-9	CS - 36 (2.0')	104	108								
880-72582-10	CS - 37 (2.0')	103	117								
880-72582-11	CS - 38 (2.0')	93	105								
880-72582-12	CS - 39 (2.0')	100	98								
880-72582-13	CS - 40 (2.0')	102	110								
880-72582-14	CS - 41 (2.0')	98	109								
880-72582-15	CS - 42 (2.0')	94	106								
880-72582-16	CS - 43 (2.0')	69 S1-	73								
880-72582-17	CS - 44 (2.0')	112	120								
LCS 880-141405/2-A	Lab Control Sample	104	107								
LCS 880-141406/2-A	Lab Control Sample	66 S1-	68 S1-								
LCSD 880-141405/3-A	Lab Control Sample Dup	82	73								
LCSD 880-141406/3-A	Lab Control Sample Dup	104	91								
MB 880-141405/1-A	Method Blank	78	92								
MB 880-141406/1-A	Method Blank	87	99								

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-141560/5-A
Matrix: Solid
Analysis Batch: 141574

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141560

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/22/26 08:53	05/22/26 13:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/22/26 08:53	05/22/26 13:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/22/26 08:53	05/22/26 13:07	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/22/26 08:53	05/22/26 13:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/22/26 08:53	05/22/26 13:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/22/26 08:53	05/22/26 13:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*05/22/26 08:53*	*05/22/26 13:07*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*05/22/26 08:53*	*05/22/26 13:07*	*1*

Lab Sample ID: MB 880-141568/5-A
Matrix: Solid
Analysis Batch: 141574

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141568

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<2.00	U	2.00		mg/Kg		05/22/26 09:05	05/23/26 00:10	1
Toluene	<2.00	U	2.00		mg/Kg		05/22/26 09:05	05/23/26 00:10	1
Ethylbenzene	<2.00	U	2.00		mg/Kg		05/22/26 09:05	05/23/26 00:10	1
m,p-Xylenes	<4.00	U	4.00		mg/Kg		05/22/26 09:05	05/23/26 00:10	1
o-Xylene	<2.00	U	2.00		mg/Kg		05/22/26 09:05	05/23/26 00:10	1
Xylenes, Total	<4.00	U	4.00		mg/Kg		05/22/26 09:05	05/23/26 00:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*05/22/26 09:05*	*05/23/26 00:10*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/22/26 09:05*	*05/23/26 00:10*	*1*

Lab Sample ID: LCS 880-141568/1-A
Matrix: Solid
Analysis Batch: 141574

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141568

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08208		mg/Kg		82	70 - 130
Toluene	0.100	0.07553		mg/Kg		76	70 - 130
Ethylbenzene	0.100	0.07897		mg/Kg		79	70 - 130
m,p-Xylenes	0.200	0.1617		mg/Kg		81	70 - 130
o-Xylene	0.100	0.07110		mg/Kg		71	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: LCSD 880-141568/2-A
Matrix: Solid
Analysis Batch: 141574

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141568

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08622		mg/Kg		86	70 - 130	5	35

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCSD 880-141568/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141574 — **Prep Batch: 141568**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.07993		mg/Kg		80	70 - 130	6	35
Ethylbenzene			0.100	0.09103		mg/Kg		91	70 - 130	14	35
m,p-Xylenes			0.200	0.1650		mg/Kg		83	70 - 130	2	35
o-Xylene			0.100	0.07469		mg/Kg		75	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-72582-1 MS — **Client Sample ID: CS - 28 (0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141574 — **Prep Batch: 141568**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09457		mg/Kg		95	70 - 130
Toluene	<0.00200	U	0.100	0.08700		mg/Kg		87	70 - 130
Ethylbenzene	<0.00200	U F1	0.100	0.07738		mg/Kg		77	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1617		mg/Kg		81	70 - 130
o-Xylene	<0.00200	U	0.100	0.08146		mg/Kg		81	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-72582-1 MSD — **Client Sample ID: CS - 28 (0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141574 — **Prep Batch: 141568**

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	0.08739		mg/Kg		87	70 - 130	8	35
Toluene	<0.00200	U	0.100	0.08145		mg/Kg		81	70 - 130	7	35
Ethylbenzene	<0.00200	U F1	0.100	0.06870	F1	mg/Kg		69	70 - 130	12	35
m,p-Xylenes	<0.00399	U	0.200	0.1446		mg/Kg		72	70 - 130	11	35
o-Xylene	<0.00200	U	0.100	0.06961		mg/Kg		70	70 - 130	16	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: MB 880-141677/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141666 — **Prep Batch: 141677**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:00	05/26/26 11:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:00	05/26/26 11:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:00	05/26/26 11:37	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/26/26 09:00	05/26/26 11:37	1

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-141677/5-A
Matrix: Solid
Analysis Batch: 141666

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141677

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:00	05/26/26 11:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/26/26 09:00	05/26/26 11:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*05/26/26 09:00*	*05/26/26 11:37*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/26/26 09:00*	*05/26/26 11:37*	*1*

Lab Sample ID: LCS 880-141677/1-A
Matrix: Solid
Analysis Batch: 141666

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141677

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08517		mg/Kg		85	70 - 130		
Toluene			0.100	0.08834		mg/Kg		88	70 - 130		
Ethylbenzene			0.100	0.09026		mg/Kg		90	70 - 130		
m,p-Xylenes			0.200	0.1873		mg/Kg		94	70 - 130		
o-Xylene			0.100	0.09534		mg/Kg		95	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-141677/2-A
Matrix: Solid
Analysis Batch: 141666

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141677

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08680		mg/Kg		87	70 - 130	2	35
Toluene			0.100	0.08818		mg/Kg		88	70 - 130	0	35
Ethylbenzene			0.100	0.08854		mg/Kg		89	70 - 130	2	35
m,p-Xylenes			0.200	0.1825		mg/Kg		91	70 - 130	3	35
o-Xylene			0.100	0.09298		mg/Kg		93	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-72591-A-1-D MS
Matrix: Solid
Analysis Batch: 141666

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 141677

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.08451		mg/Kg		85	70 - 130		
Toluene	<0.00200	U	0.100	0.08944		mg/Kg		89	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.09112		mg/Kg		91	70 - 130		
m,p-Xylenes	<0.00399	U	0.200	0.1904		mg/Kg		95	70 - 130		
o-Xylene	<0.00200	U	0.100	0.09689		mg/Kg		97	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72591-A-1-D MS
Matrix: Solid
Analysis Batch: 141666

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 141677

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-72591-A-1-E MSD
Matrix: Solid
Analysis Batch: 141666

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 141677

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	0.1038		mg/Kg		104	70 - 130	20	35
Toluene	<0.00200	U	0.100	0.08451		mg/Kg		85	70 - 130	6	35
Ethylbenzene	<0.00200	U	0.100	0.07641		mg/Kg		76	70 - 130	18	35
m,p-Xylenes	<0.00399	U	0.200	0.1423		mg/Kg		71	70 - 130	29	35
o-Xylene	<0.00200	U	0.100	0.07187		mg/Kg		72	70 - 130	30	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	75		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: MB 880-141716/5-A
Matrix: Solid
Analysis Batch: 141667

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141716

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 11:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 11:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 11:46	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/26/26 10:36	05/26/26 11:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 11:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/26/26 10:36	05/26/26 11:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	05/26/26 10:36	05/26/26 11:46	1
1,4-Difluorobenzene (Surr)	79		70 - 130	05/26/26 10:36	05/26/26 11:46	1

Lab Sample ID: LCS 880-141716/1-A
Matrix: Solid
Analysis Batch: 141667

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141716

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09543		mg/Kg		95	70 - 130
Toluene	0.100	0.07857		mg/Kg		79	70 - 130
Ethylbenzene	0.100	0.09752		mg/Kg		98	70 - 130
m,p-Xylenes	0.200	0.1993		mg/Kg		100	70 - 130
o-Xylene	0.100	0.1089		mg/Kg		109	70 - 130

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

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-141716/1-A
Matrix: Solid
Analysis Batch: 141667

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141716

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,4-Difluorobenzene (Surr)	82		70 - 130

Lab Sample ID: LCSD 880-141716/2-A
Matrix: Solid
Analysis Batch: 141667

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141716

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09283		mg/Kg		93	70 - 130	3	35
Toluene			0.100	0.07705		mg/Kg		77	70 - 130	2	35
Ethylbenzene			0.100	0.09423		mg/Kg		94	70 - 130	3	35
m,p-Xylenes			0.200	0.1935		mg/Kg		97	70 - 130	3	35
o-Xylene			0.100	0.1059		mg/Kg		106	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	126		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 880-72582-9 MS
Matrix: Solid
Analysis Batch: 141667

Client Sample ID: CS - 36 (2.0')
Prep Type: Total/NA
Prep Batch: 141716

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.07776		mg/Kg		78	70 - 130
Toluene	<0.00200	U	0.100	0.07805		mg/Kg		78	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08112		mg/Kg		81	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1691		mg/Kg		85	70 - 130
o-Xylene	<0.00200	U	0.100	0.09284		mg/Kg		93	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: 880-72582-9 MSD
Matrix: Solid
Analysis Batch: 141667

Client Sample ID: CS - 36 (2.0')
Prep Type: Total/NA
Prep Batch: 141716

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	0.09738		mg/Kg		97	70 - 130	22	35
Toluene	<0.00200	U	0.100	0.08115		mg/Kg		81	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.100	0.1007		mg/Kg		101	70 - 130	22	35
m,p-Xylenes	<0.00399	U	0.200	0.2055		mg/Kg		103	70 - 130	19	35
o-Xylene	<0.00200	U	0.100	0.1141		mg/Kg		114	70 - 130	21	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-141405/1-A
Matrix: Solid
Analysis Batch: 141636

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141405

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		05/20/26 17:50	05/22/26 12:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/20/26 17:50	05/22/26 12:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/26 17:50	05/22/26 12:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*78*		*70 - 130*	*05/20/26 17:50*	*05/22/26 12:52*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*05/20/26 17:50*	*05/22/26 12:52*	*1*

Lab Sample ID: LCS 880-141405/2-A
Matrix: Solid
Analysis Batch: 141636

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141405

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1101		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1077		mg/Kg		108	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*104*		*70 - 130*
o-Terphenyl (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-141405/3-A
Matrix: Solid
Analysis Batch: 141636

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141405

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	974.7		mg/Kg		97	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	789.3	*1	mg/Kg		79	70 - 130	31	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*82*		*70 - 130*
o-Terphenyl (Surr)	*73*		*70 - 130*

Lab Sample ID: 880-72580-A-81-B MS
Matrix: Solid
Analysis Batch: 141636

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 141405

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	1000	1096		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	<49.6	U F1 *1	1000	495.6	F1	mg/Kg		46	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72580-A-81-B MS
Matrix: Solid
Analysis Batch: 141636

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 141405

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	85		70 - 130
o-Terphenyl (Surr)	87		70 - 130

Lab Sample ID: 880-72580-A-81-C MSD
Matrix: Solid
Analysis Batch: 141636

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 141405

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	1000	954.2		mg/Kg		91	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	<49.6	U F1 *1	1000	579.9	F1	mg/Kg		54	70 - 130	16	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	99		70 - 130
o-Terphenyl (Surr)	96		70 - 130

Lab Sample ID: MB 880-141406/1-A
Matrix: Solid
Analysis Batch: 141636

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141406

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		05/20/26 17:51	05/23/26 00:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/20/26 17:51	05/23/26 00:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/26 17:51	05/23/26 00:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130	05/20/26 17:51	05/23/26 00:07	1
o-Terphenyl (Surr)	99		70 - 130	05/20/26 17:51	05/23/26 00:07	1

Lab Sample ID: LCS 880-141406/2-A
Matrix: Solid
Analysis Batch: 141636

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141406

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	535.3	*-	mg/Kg		54	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	685.6	*-	mg/Kg		69	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	66	S1-	70 - 130
o-Terphenyl (Surr)	68	S1-	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCSD 880-141406/3-A
Matrix: Solid
Analysis Batch: 141636

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141406

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	958.8	*1	mg/Kg		96	70 - 130	57	20
Diesel Range Organics (Over C10-C28)			1000	965.5	*1	mg/Kg		97	70 - 130	34	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*104*		*70 - 130*
o-Terphenyl (Surr)	*91*		*70 - 130*

Lab Sample ID: 880-72582-7 MS
Matrix: Solid
Analysis Batch: 141636

Client Sample ID: CS - 34 (2.0')
Prep Type: Total/NA
Prep Batch: 141406

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F2 *- *1	1000	922.3		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U F1 *- *1	1000	617.8	F1	mg/Kg		59	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*98*		*70 - 130*
o-Terphenyl (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-72582-7 MSD
Matrix: Solid
Analysis Batch: 141636

Client Sample ID: CS - 34 (2.0')
Prep Type: Total/NA
Prep Batch: 141406

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F2 *- *1	1000	741.5	F2	mg/Kg		74	70 - 130	22	20
Diesel Range Organics (Over C10-C28)	<50.1	U F1 *- *1	1000	747.0		mg/Kg		72	70 - 130	19	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*119*		*70 - 130*
o-Terphenyl (Surr)	*111*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-141438/1-A
Matrix: Solid
Analysis Batch: 141509

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			05/22/26 05:07	1

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-141438/2-A
Matrix: Solid
Analysis Batch: 141509

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	257.1		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-141438/3-A
Matrix: Solid
Analysis Batch: 141509

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	257.4		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-72582-1 MS
Matrix: Solid
Analysis Batch: 141509

Client Sample ID: CS - 28 (0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	17.6		250	266.9		mg/Kg		100	90 - 110		

Lab Sample ID: 880-72582-1 MSD
Matrix: Solid
Analysis Batch: 141509

Client Sample ID: CS - 28 (0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	17.6		250	267.2		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-72582-11 MS
Matrix: Solid
Analysis Batch: 141509

Client Sample ID: CS - 38 (2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	12.2		251	252.5		mg/Kg		96	90 - 110		

Lab Sample ID: 880-72582-11 MSD
Matrix: Solid
Analysis Batch: 141509

Client Sample ID: CS - 38 (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	12.2		251	252.8		mg/Kg		96	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

GC VOA

Prep Batch: 141560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-141560/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 141568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72582-1	CS - 28 (0.5')	Total/NA	Solid	5035	
880-72582-2	CS - 29 (0.5')	Total/NA	Solid	5035	
880-72582-3	CS - 30 (0.5')	Total/NA	Solid	5035	
880-72582-4	CS - 31 (0.5')	Total/NA	Solid	5035	
880-72582-5	CS - 32 (0.5')	Total/NA	Solid	5035	
880-72582-6	CS - 33 (0.5')	Total/NA	Solid	5035	
MB 880-141568/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-141568/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-141568/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-72582-1 MS	CS - 28 (0.5')	Total/NA	Solid	5035	
880-72582-1 MSD	CS - 28 (0.5')	Total/NA	Solid	5035	

Analysis Batch: 141574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72582-1	CS - 28 (0.5')	Total/NA	Solid	8021B	141568
880-72582-2	CS - 29 (0.5')	Total/NA	Solid	8021B	141568
880-72582-3	CS - 30 (0.5')	Total/NA	Solid	8021B	141568
880-72582-4	CS - 31 (0.5')	Total/NA	Solid	8021B	141568
880-72582-5	CS - 32 (0.5')	Total/NA	Solid	8021B	141568
880-72582-6	CS - 33 (0.5')	Total/NA	Solid	8021B	141568
MB 880-141560/5-A	Method Blank	Total/NA	Solid	8021B	141560
MB 880-141568/5-A	Method Blank	Total/NA	Solid	8021B	141568
LCS 880-141568/1-A	Lab Control Sample	Total/NA	Solid	8021B	141568
LCSD 880-141568/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	141568
880-72582-1 MS	CS - 28 (0.5')	Total/NA	Solid	8021B	141568
880-72582-1 MSD	CS - 28 (0.5')	Total/NA	Solid	8021B	141568

Analysis Batch: 141666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72582-7	CS - 34 (2.0')	Total/NA	Solid	8021B	141677
880-72582-8	CS - 35 (2.0')	Total/NA	Solid	8021B	141677
MB 880-141677/5-A	Method Blank	Total/NA	Solid	8021B	141677
LCS 880-141677/1-A	Lab Control Sample	Total/NA	Solid	8021B	141677
LCSD 880-141677/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	141677
880-72591-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	141677
880-72591-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	141677

Analysis Batch: 141667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72582-9	CS - 36 (2.0')	Total/NA	Solid	8021B	141716
880-72582-10	CS - 37 (2.0')	Total/NA	Solid	8021B	141716
880-72582-11	CS - 38 (2.0')	Total/NA	Solid	8021B	141716
880-72582-12	CS - 39 (2.0')	Total/NA	Solid	8021B	141716
880-72582-13	CS - 40 (2.0')	Total/NA	Solid	8021B	141716
880-72582-14	CS - 41 (2.0')	Total/NA	Solid	8021B	141716
880-72582-15	CS - 42 (2.0')	Total/NA	Solid	8021B	141716
880-72582-16	CS - 43 (2.0')	Total/NA	Solid	8021B	141716

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

GC VOA (Continued)

Analysis Batch: 141667 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72582-17	CS - 44 (2.0')	Total/NA	Solid	8021B	141716
MB 880-141716/5-A	Method Blank	Total/NA	Solid	8021B	141716
LCS 880-141716/1-A	Lab Control Sample	Total/NA	Solid	8021B	141716
LCSD 880-141716/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	141716
880-72582-9 MS	CS - 36 (2.0')	Total/NA	Solid	8021B	141716
880-72582-9 MSD	CS - 36 (2.0')	Total/NA	Solid	8021B	141716

Prep Batch: 141677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72582-7	CS - 34 (2.0')	Total/NA	Solid	5035	
880-72582-8	CS - 35 (2.0')	Total/NA	Solid	5035	
MB 880-141677/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-141677/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-141677/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-72591-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-72591-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 141716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72582-9	CS - 36 (2.0')	Total/NA	Solid	5035	
880-72582-10	CS - 37 (2.0')	Total/NA	Solid	5035	
880-72582-11	CS - 38 (2.0')	Total/NA	Solid	5035	
880-72582-12	CS - 39 (2.0')	Total/NA	Solid	5035	
880-72582-13	CS - 40 (2.0')	Total/NA	Solid	5035	
880-72582-14	CS - 41 (2.0')	Total/NA	Solid	5035	
880-72582-15	CS - 42 (2.0')	Total/NA	Solid	5035	
880-72582-16	CS - 43 (2.0')	Total/NA	Solid	5035	
880-72582-17	CS - 44 (2.0')	Total/NA	Solid	5035	
MB 880-141716/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-141716/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-141716/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-72582-9 MS	CS - 36 (2.0')	Total/NA	Solid	5035	
880-72582-9 MSD	CS - 36 (2.0')	Total/NA	Solid	5035	

Analysis Batch: 141776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72582-1	CS - 28 (0.5')	Total/NA	Solid	Total BTEX	
880-72582-2	CS - 29 (0.5')	Total/NA	Solid	Total BTEX	
880-72582-3	CS - 30 (0.5')	Total/NA	Solid	Total BTEX	
880-72582-4	CS - 31 (0.5')	Total/NA	Solid	Total BTEX	
880-72582-5	CS - 32 (0.5')	Total/NA	Solid	Total BTEX	
880-72582-6	CS - 33 (0.5')	Total/NA	Solid	Total BTEX	
880-72582-7	CS - 34 (2.0')	Total/NA	Solid	Total BTEX	
880-72582-8	CS - 35 (2.0')	Total/NA	Solid	Total BTEX	
880-72582-9	CS - 36 (2.0')	Total/NA	Solid	Total BTEX	
880-72582-10	CS - 37 (2.0')	Total/NA	Solid	Total BTEX	
880-72582-11	CS - 38 (2.0')	Total/NA	Solid	Total BTEX	
880-72582-12	CS - 39 (2.0')	Total/NA	Solid	Total BTEX	
880-72582-13	CS - 40 (2.0')	Total/NA	Solid	Total BTEX	
880-72582-14	CS - 41 (2.0')	Total/NA	Solid	Total BTEX	
880-72582-15	CS - 42 (2.0')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

GC VOA (Continued)

Analysis Batch: 141776 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72582-16	CS - 43 (2.0')	Total/NA	Solid	Total BTEX	
880-72582-17	CS - 44 (2.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 141405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72582-1	CS - 28 (0.5')	Total/NA	Solid	8015NM Prep	
880-72582-2	CS - 29 (0.5')	Total/NA	Solid	8015NM Prep	
880-72582-3	CS - 30 (0.5')	Total/NA	Solid	8015NM Prep	
880-72582-4	CS - 31 (0.5')	Total/NA	Solid	8015NM Prep	
880-72582-5	CS - 32 (0.5')	Total/NA	Solid	8015NM Prep	
880-72582-6	CS - 33 (0.5')	Total/NA	Solid	8015NM Prep	
MB 880-141405/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-141405/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-141405/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-72580-A-81-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-72580-A-81-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 141406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72582-7	CS - 34 (2.0')	Total/NA	Solid	8015NM Prep	
880-72582-8	CS - 35 (2.0')	Total/NA	Solid	8015NM Prep	
880-72582-9	CS - 36 (2.0')	Total/NA	Solid	8015NM Prep	
880-72582-10	CS - 37 (2.0')	Total/NA	Solid	8015NM Prep	
880-72582-11	CS - 38 (2.0')	Total/NA	Solid	8015NM Prep	
880-72582-12	CS - 39 (2.0')	Total/NA	Solid	8015NM Prep	
880-72582-13	CS - 40 (2.0')	Total/NA	Solid	8015NM Prep	
880-72582-14	CS - 41 (2.0')	Total/NA	Solid	8015NM Prep	
880-72582-15	CS - 42 (2.0')	Total/NA	Solid	8015NM Prep	
880-72582-16	CS - 43 (2.0')	Total/NA	Solid	8015NM Prep	
880-72582-17	CS - 44 (2.0')	Total/NA	Solid	8015NM Prep	
MB 880-141406/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-141406/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-141406/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-72582-7 MS	CS - 34 (2.0')	Total/NA	Solid	8015NM Prep	
880-72582-7 MSD	CS - 34 (2.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 141636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72582-1	CS - 28 (0.5')	Total/NA	Solid	8015B NM	141405
880-72582-2	CS - 29 (0.5')	Total/NA	Solid	8015B NM	141405
880-72582-3	CS - 30 (0.5')	Total/NA	Solid	8015B NM	141405
880-72582-4	CS - 31 (0.5')	Total/NA	Solid	8015B NM	141405
880-72582-5	CS - 32 (0.5')	Total/NA	Solid	8015B NM	141405
880-72582-6	CS - 33 (0.5')	Total/NA	Solid	8015B NM	141405
880-72582-7	CS - 34 (2.0')	Total/NA	Solid	8015B NM	141406
880-72582-8	CS - 35 (2.0')	Total/NA	Solid	8015B NM	141406
880-72582-9	CS - 36 (2.0')	Total/NA	Solid	8015B NM	141406
880-72582-10	CS - 37 (2.0')	Total/NA	Solid	8015B NM	141406
880-72582-11	CS - 38 (2.0')	Total/NA	Solid	8015B NM	141406

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 141636 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72582-12	CS - 39 (2.0')	Total/NA	Solid	8015B NM	141406
880-72582-13	CS - 40 (2.0')	Total/NA	Solid	8015B NM	141406
880-72582-14	CS - 41 (2.0')	Total/NA	Solid	8015B NM	141406
880-72582-15	CS - 42 (2.0')	Total/NA	Solid	8015B NM	141406
880-72582-16	CS - 43 (2.0')	Total/NA	Solid	8015B NM	141406
880-72582-17	CS - 44 (2.0')	Total/NA	Solid	8015B NM	141406
MB 880-141405/1-A	Method Blank	Total/NA	Solid	8015B NM	141405
MB 880-141406/1-A	Method Blank	Total/NA	Solid	8015B NM	141406
LCS 880-141405/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	141405
LCS 880-141406/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	141406
LCSD 880-141405/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	141405
LCSD 880-141406/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	141406
880-72580-A-81-B MS	Matrix Spike	Total/NA	Solid	8015B NM	141405
880-72580-A-81-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	141405
880-72582-7 MS	CS - 34 (2.0')	Total/NA	Solid	8015B NM	141406
880-72582-7 MSD	CS - 34 (2.0')	Total/NA	Solid	8015B NM	141406

Analysis Batch: 141759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72582-1	CS - 28 (0.5')	Total/NA	Solid	8015 NM	
880-72582-2	CS - 29 (0.5')	Total/NA	Solid	8015 NM	
880-72582-3	CS - 30 (0.5')	Total/NA	Solid	8015 NM	
880-72582-4	CS - 31 (0.5')	Total/NA	Solid	8015 NM	
880-72582-5	CS - 32 (0.5')	Total/NA	Solid	8015 NM	
880-72582-6	CS - 33 (0.5')	Total/NA	Solid	8015 NM	
880-72582-7	CS - 34 (2.0')	Total/NA	Solid	8015 NM	
880-72582-8	CS - 35 (2.0')	Total/NA	Solid	8015 NM	
880-72582-9	CS - 36 (2.0')	Total/NA	Solid	8015 NM	
880-72582-10	CS - 37 (2.0')	Total/NA	Solid	8015 NM	
880-72582-11	CS - 38 (2.0')	Total/NA	Solid	8015 NM	
880-72582-12	CS - 39 (2.0')	Total/NA	Solid	8015 NM	
880-72582-13	CS - 40 (2.0')	Total/NA	Solid	8015 NM	
880-72582-14	CS - 41 (2.0')	Total/NA	Solid	8015 NM	
880-72582-15	CS - 42 (2.0')	Total/NA	Solid	8015 NM	
880-72582-16	CS - 43 (2.0')	Total/NA	Solid	8015 NM	
880-72582-17	CS - 44 (2.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 141438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72582-1	CS - 28 (0.5')	Soluble	Solid	DI Leach	
880-72582-2	CS - 29 (0.5')	Soluble	Solid	DI Leach	
880-72582-3	CS - 30 (0.5')	Soluble	Solid	DI Leach	
880-72582-4	CS - 31 (0.5')	Soluble	Solid	DI Leach	
880-72582-5	CS - 32 (0.5')	Soluble	Solid	DI Leach	
880-72582-6	CS - 33 (0.5')	Soluble	Solid	DI Leach	
880-72582-7	CS - 34 (2.0')	Soluble	Solid	DI Leach	
880-72582-8	CS - 35 (2.0')	Soluble	Solid	DI Leach	
880-72582-9	CS - 36 (2.0')	Soluble	Solid	DI Leach	
880-72582-10	CS - 37 (2.0')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

HPLC/IC (Continued)

Leach Batch: 141438 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72582-11	CS - 38 (2.0')	Soluble	Solid	DI Leach	
880-72582-12	CS - 39 (2.0')	Soluble	Solid	DI Leach	
880-72582-13	CS - 40 (2.0')	Soluble	Solid	DI Leach	
880-72582-14	CS - 41 (2.0')	Soluble	Solid	DI Leach	
880-72582-15	CS - 42 (2.0')	Soluble	Solid	DI Leach	
880-72582-16	CS - 43 (2.0')	Soluble	Solid	DI Leach	
880-72582-17	CS - 44 (2.0')	Soluble	Solid	DI Leach	
MB 880-141438/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-141438/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-141438/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-72582-1 MS	CS - 28 (0.5')	Soluble	Solid	DI Leach	
880-72582-1 MSD	CS - 28 (0.5')	Soluble	Solid	DI Leach	
880-72582-11 MS	CS - 38 (2.0')	Soluble	Solid	DI Leach	
880-72582-11 MSD	CS - 38 (2.0')	Soluble	Solid	DI Leach	

Analysis Batch: 141509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72582-1	CS - 28 (0.5')	Soluble	Solid	300.0	141438
880-72582-2	CS - 29 (0.5')	Soluble	Solid	300.0	141438
880-72582-3	CS - 30 (0.5')	Soluble	Solid	300.0	141438
880-72582-4	CS - 31 (0.5')	Soluble	Solid	300.0	141438
880-72582-5	CS - 32 (0.5')	Soluble	Solid	300.0	141438
880-72582-6	CS - 33 (0.5')	Soluble	Solid	300.0	141438
880-72582-7	CS - 34 (2.0')	Soluble	Solid	300.0	141438
880-72582-8	CS - 35 (2.0')	Soluble	Solid	300.0	141438
880-72582-9	CS - 36 (2.0')	Soluble	Solid	300.0	141438
880-72582-10	CS - 37 (2.0')	Soluble	Solid	300.0	141438
880-72582-11	CS - 38 (2.0')	Soluble	Solid	300.0	141438
880-72582-12	CS - 39 (2.0')	Soluble	Solid	300.0	141438
880-72582-13	CS - 40 (2.0')	Soluble	Solid	300.0	141438
880-72582-14	CS - 41 (2.0')	Soluble	Solid	300.0	141438
880-72582-15	CS - 42 (2.0')	Soluble	Solid	300.0	141438
880-72582-16	CS - 43 (2.0')	Soluble	Solid	300.0	141438
880-72582-17	CS - 44 (2.0')	Soluble	Solid	300.0	141438
MB 880-141438/1-A	Method Blank	Soluble	Solid	300.0	141438
LCS 880-141438/2-A	Lab Control Sample	Soluble	Solid	300.0	141438
LCSD 880-141438/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	141438
880-72582-1 MS	CS - 28 (0.5')	Soluble	Solid	300.0	141438
880-72582-1 MSD	CS - 28 (0.5')	Soluble	Solid	300.0	141438
880-72582-11 MS	CS - 38 (2.0')	Soluble	Solid	300.0	141438
880-72582-11 MSD	CS - 38 (2.0')	Soluble	Solid	300.0	141438

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

Client Sample ID: CS - 28 (0.5')
Date Collected: 05/20/26 09:00
Date Received: 05/20/26 15:37

Lab Sample ID: 880-72582-1
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	141568	05/22/26 09:05	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141574	05/23/26 00:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141776	05/23/26 00:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			141759	05/22/26 21:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141405	05/20/26 17:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141636	05/22/26 21:03	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	141438	05/21/26 09:09	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141509	05/22/26 05:47	CS	EET MID

Client Sample ID: CS - 29 (0.5')
Date Collected: 05/20/26 09:05
Date Received: 05/20/26 15:37

Lab Sample ID: 880-72582-2
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			4.98 g	5 mL	141568	05/22/26 09:05	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141574	05/23/26 00:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141776	05/23/26 00:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			141759	05/22/26 21:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141405	05/20/26 17:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141636	05/22/26 21:24	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	141438	05/21/26 09:09	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141509	05/22/26 06:27	CS	EET MID

Client Sample ID: CS - 30 (0.5')
Date Collected: 05/20/26 09:08
Date Received: 05/20/26 15:37

Lab Sample ID: 880-72582-3
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			4.95 g	5 mL	141568	05/22/26 09:05	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141574	05/23/26 01:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141776	05/23/26 01:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			141759	05/22/26 21:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	141405	05/20/26 17:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141636	05/22/26 21:44	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	141438	05/21/26 09:09	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141509	05/22/26 06:41	CS	EET MID

Client Sample ID: CS - 31 (0.5')
Date Collected: 05/20/26 09:12
Date Received: 05/20/26 15:37

Lab Sample ID: 880-72582-4
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			5.03 g	5 mL	141568	05/22/26 09:05	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141574	05/23/26 01:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141776	05/23/26 01:54	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

Client Sample ID: CS - 31 (0.5')
Date Collected: 05/20/26 09:12
Date Received: 05/20/26 15:37

Lab Sample ID: 880-72582-4
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			141759	05/22/26 22:05	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141405	05/20/26 17:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141636	05/22/26 22:05	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	141438	05/21/26 09:09	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141509	05/22/26 06:54	CS	EET MID

Client Sample ID: CS - 32 (0.5')
Date Collected: 05/20/26 09:16
Date Received: 05/20/26 15:37

Lab Sample ID: 880-72582-5
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			5.01 g	5 mL	141568	05/22/26 09:05	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141574	05/23/26 02:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141776	05/23/26 02:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			141759	05/22/26 22:25	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	141405	05/20/26 17:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141636	05/22/26 22:25	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	141438	05/21/26 09:09	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141509	05/22/26 07:07	CS	EET MID

Client Sample ID: CS - 33 (0.5')
Date Collected: 05/20/26 09:20
Date Received: 05/20/26 15:37

Lab Sample ID: 880-72582-6
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			4.97 g	5 mL	141568	05/22/26 09:05	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141574	05/23/26 02:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141776	05/23/26 02:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			141759	05/22/26 22:45	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141405	05/20/26 17:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141636	05/22/26 22:45	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	141438	05/21/26 09:09	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141509	05/22/26 07:47	CS	EET MID

Client Sample ID: CS - 34 (2.0')
Date Collected: 05/20/26 11:11
Date Received: 05/20/26 15:37

Lab Sample ID: 880-72582-7
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			4.98 g	5 mL	141677	05/26/26 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141666	05/26/26 13:41	SA	EET MID
Total/NA	Analysis	Total BTEX		1			141776	05/26/26 13:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			141759	05/23/26 01:09	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141406	05/20/26 17:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141636	05/23/26 01:09	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

Client Sample ID: CS - 34 (2.0')

Lab Sample ID: 880-72582-7
Matrix: Solid
Date Collected: 05/20/26 11:11
Date Received: 05/20/26 15:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	141438	05/21/26 09:09	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141509	05/22/26 08:01	CS	EET MID

Client Sample ID: CS - 35 (2.0')

Lab Sample ID: 880-72582-8
Matrix: Solid
Date Collected: 05/20/26 11:13
Date Received: 05/20/26 15:37

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	141677	05/26/26 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141666	05/26/26 14:02	SA	EET MID
Total/NA	Analysis	Total BTEX		1			141776	05/26/26 14:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			141759	05/23/26 02:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141406	05/20/26 17:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141636	05/23/26 02:10	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	141438	05/21/26 09:09	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141509	05/22/26 08:14	CS	EET MID

Client Sample ID: CS - 36 (2.0')

Lab Sample ID: 880-72582-9
Matrix: Solid
Date Collected: 05/20/26 11:15
Date Received: 05/20/26 15:37

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	141716	05/26/26 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141667	05/26/26 12:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141776	05/26/26 12:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			141759	05/23/26 02:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141406	05/20/26 17:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141636	05/23/26 02:30	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	141438	05/21/26 09:09	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141509	05/22/26 08:27	CS	EET MID

Client Sample ID: CS - 37 (2.0')

Lab Sample ID: 880-72582-10
Matrix: Solid
Date Collected: 05/20/26 11:19
Date Received: 05/20/26 15:37

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	141716	05/26/26 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141667	05/26/26 12:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141776	05/26/26 12:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			141759	05/23/26 02:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141406	05/20/26 17:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141636	05/23/26 02:50	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	141438	05/21/26 09:09	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141509	05/22/26 08:41	CS	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

Client Sample ID: CS - 38 (2.0')

Lab Sample ID: 880-72582-11
Matrix: Solid
Date Collected: 05/20/26 11:22
Date Received: 05/20/26 15:37

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	141716	05/26/26 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141667	05/26/26 12:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141776	05/26/26 12:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			141759	05/23/26 03:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	141406	05/20/26 17:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141636	05/23/26 03:11	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	141438	05/21/26 09:09	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141509	05/22/26 08:54	CS	EET MID

Client Sample ID: CS - 39 (2.0')

Lab Sample ID: 880-72582-12
Matrix: Solid
Date Collected: 05/20/26 11:25
Date Received: 05/20/26 15:37

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	141716	05/26/26 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141667	05/26/26 13:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141776	05/26/26 13:09	SA	EET MID
Total/NA	Analysis	8015 NM		1			141759	05/23/26 03:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141406	05/20/26 17:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141636	05/23/26 03:31	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	141438	05/21/26 09:09	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141509	05/22/26 09:34	CS	EET MID

Client Sample ID: CS - 40 (2.0')

Lab Sample ID: 880-72582-13
Matrix: Solid
Date Collected: 05/20/26 11:29
Date Received: 05/20/26 15:37

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	141716	05/26/26 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141667	05/26/26 13:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141776	05/26/26 13:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			141759	05/23/26 03:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	141406	05/20/26 17:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141636	05/23/26 03:51	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	141438	05/21/26 09:09	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141509	05/22/26 09:47	CS	EET MID

Client Sample ID: CS - 41 (2.0')

Lab Sample ID: 880-72582-14
Matrix: Solid
Date Collected: 05/20/26 11:32
Date Received: 05/20/26 15:37

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	141716	05/26/26 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141667	05/26/26 13:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141776	05/26/26 13:50	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

Client Sample ID: CS - 41 (2.0')
Date Collected: 05/20/26 11:32
Date Received: 05/20/26 15:37

Lab Sample ID: 880-72582-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			141759	05/23/26 04:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141406	05/20/26 17:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141636	05/23/26 04:12	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	141438	05/21/26 09:09	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141509	05/22/26 10:56	CS	EET MID

Client Sample ID: CS - 42 (2.0')
Date Collected: 05/20/26 11:34
Date Received: 05/20/26 15:37

Lab Sample ID: 880-72582-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	141716	05/26/26 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141667	05/26/26 14:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141776	05/26/26 14:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			141759	05/23/26 04:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141406	05/20/26 17:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141636	05/23/26 04:33	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	141438	05/21/26 09:09	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141509	05/22/26 11:09	CS	EET MID

Client Sample ID: CS - 43 (2.0')
Date Collected: 05/20/26 11:37
Date Received: 05/20/26 15:37

Lab Sample ID: 880-72582-16
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	141716	05/26/26 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141667	05/26/26 14:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141776	05/26/26 14:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			141759	05/23/26 04:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	141406	05/20/26 17:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141636	05/23/26 04:53	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	141438	05/21/26 09:09	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141509	05/22/26 11:23	CS	EET MID

Client Sample ID: CS - 44 (2.0')
Date Collected: 05/20/26 11:45
Date Received: 05/20/26 15:37

Lab Sample ID: 880-72582-17
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	141716	05/26/26 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141667	05/26/26 14:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141776	05/26/26 14:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			141759	05/23/26 05:34	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141406	05/20/26 17:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141636	05/23/26 05:34	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

Client Sample ID: CS - 44 (2.0')

Date Collected: 05/20/26 11:45
Date Received: 05/20/26 15:37

Lab Sample ID: 880-72582-17

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			4.97 g	50 mL	141438	05/21/26 09:09	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141509	05/22/26 11:36	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-72582-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. 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: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72582-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-72582-1	CS - 28 (0.5')	Solid	05/20/26 09:00	05/20/26 15:37	New Mexico
880-72582-2	CS - 29 (0.5')	Solid	05/20/26 09:05	05/20/26 15:37	New Mexico
880-72582-3	CS - 30 (0.5')	Solid	05/20/26 09:08	05/20/26 15:37	New Mexico
880-72582-4	CS - 31 (0.5')	Solid	05/20/26 09:12	05/20/26 15:37	New Mexico
880-72582-5	CS - 32 (0.5')	Solid	05/20/26 09:16	05/20/26 15:37	New Mexico
880-72582-6	CS - 33 (0.5')	Solid	05/20/26 09:20	05/20/26 15:37	New Mexico
880-72582-7	CS - 34 (2.0')	Solid	05/20/26 11:11	05/20/26 15:37	New Mexico
880-72582-8	CS - 35 (2.0')	Solid	05/20/26 11:13	05/20/26 15:37	New Mexico
880-72582-9	CS - 36 (2.0')	Solid	05/20/26 11:15	05/20/26 15:37	New Mexico
880-72582-10	CS - 37 (2.0')	Solid	05/20/26 11:19	05/20/26 15:37	New Mexico
880-72582-11	CS - 38 (2.0')	Solid	05/20/26 11:22	05/20/26 15:37	New Mexico
880-72582-12	CS - 39 (2.0')	Solid	05/20/26 11:25	05/20/26 15:37	New Mexico
880-72582-13	CS - 40 (2.0')	Solid	05/20/26 11:29	05/20/26 15:37	New Mexico
880-72582-14	CS - 41 (2.0')	Solid	05/20/26 11:32	05/20/26 15:37	New Mexico
880-72582-15	CS - 42 (2.0')	Solid	05/20/26 11:34	05/20/26 15:37	New Mexico
880-72582-16	CS - 43 (2.0')	Solid	05/20/26 11:37	05/20/26 15:37	New Mexico
880-72582-17	CS - 44 (2.0')	Solid	05/20/26 11:45	05/20/26 15:37	New Mexico

Page 419 of 957

Chain of Custody

880-72582 Chain of Custody

880-72582 COC

5/26/2026

Page ___1___ of ___2___

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	72 HR
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.7
Total Containers:		Corrected Temperature:	4.8

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS-28 (0.5')	5/20/2026	9:00	X		Comp	1		X	X	X		
CS-29 (0.5')	5/20/2026	9:05	X		Comp	1		X	X	X		
CS-30 (0.5')	5/20/2026	9:08	X		Comp	1		X	X	X		
CS-31 (0.5')	5/20/2026	9:12	X		Comp	1		X	X	X		
CS-32 (0.5')	5/20/2026	9:16	X		Comp	1		X	X	X		
CS-33 (0.5')	5/20/2026	9:20	X		Comp	1		X	X	X		
CS-34 (2.0')	5/20/2026	11:11	X		Comp	1		X	X	X		
CS-35 (2.0')	5/20/2026	11:13	X		Comp	1		X	X	X		
CS-36 (2.0')	5/20/2026	11:15	X		Comp	1		X	X	X		
CS-37 (2.0')	5/20/2026	11:19	X		Comp	1		X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
JDC	5.20.26 15:37		5.20.26 15:37

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Page 420 of 957

Chain of Custody

Work Order No: _____

5/26/2026

Page 2 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	72 HR
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.7
Total Containers:		Corrected Temperature:	4.8

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS-38 (2.0')	5/20/2026	11:22	X		Comp	1	X	X	X		
CS-39 (2.0')	5/20/2026	11:25	X		Comp	1	X	X	X		
CS-40 (2.0')	5/20/2026	11:29	X		Comp	1	X	X	X		
CS-41 (2.0')	5/20/2026	11:32	X		Comp	1	X	X	X		
CS-42 (2.0')	5/20/2026	11:34	X		Comp	1	X	X	X		
CS-43 (2.0')	5/20/2026	11:37	X		Comp	1	X	X	X		
CS-44 (2.0')	5/20/2026	11:45	X		Comp	1	X	X	X		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5.20.26 15:37		5.20.26 15:37

Page 46 of 47

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-72582-1
SDG Number: Lea County New Mexico

Login Number: 72582
List Number: 1
Creator: Neeld, Linsey

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.	True	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/28/2026 4:42:57 PM

JOB DESCRIPTION

Matador Gavalon (03.13.2026)
Lea County New Mexico

JOB NUMBER

880-72795-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 6/23/2026 8:46:47 AM

my EOL

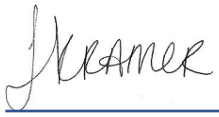
Eurofins Midland

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
5/28/2026 4:42:57 PM

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

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Laboratory Job ID: 880-72795-1
SDG: Lea County New Mexico

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 7
QC Sample Results 8
QC Association Summary 12
Lab Chronicle 14
Certification Summary 15
Method Summary 16
Sample Summary 17
Chain of Custody 18
Receipt Checklists 19

Definitions/Glossary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72795-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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: Matador Gavalon (03.13.2026)

Job ID: 880-72795-1

Job ID: 880-72795-1 Eurofins Midland

Job Narrative
880-72795-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The sample was received on 5/27/2026 3:33 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.7°C.

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: CS-31(0.75') (880-72795-1).

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-141908 and analytical batch 880-141892 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.

Diesel Range Organics
Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-141456/2-A), (LCSD 880-141456/3-A), (880-72597-A-5-A), (880-72597-A-5-B MS) and (880-72597-A-5-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
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72795-1
SDG: Lea County New Mexico

Client Sample ID: CS-31(0.75')

Date Collected: 05/27/26 12:30
Date Received: 05/27/26 15:33

Lab Sample ID: 880-72795-1

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		05/28/26 10:09	05/28/26 13:46	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/28/26 10:09	05/28/26 13:46	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/28/26 10:09	05/28/26 13:46	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/28/26 10:09	05/28/26 13:46	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/28/26 10:09	05/28/26 13:46	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/28/26 10:09	05/28/26 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*05/28/26 10:09*	*05/28/26 13:46*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/28/26 10:09*	*05/28/26 13:46*	*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			05/28/26 13:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/28/26 14:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/21/26 12:25	05/28/26 14:47	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/21/26 12:25	05/28/26 14:47	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/21/26 12:25	05/28/26 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*103*		*70 - 130*	*05/21/26 12:25*	*05/28/26 14:47*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*05/21/26 12:25*	*05/28/26 14:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.7**		9.92		mg/Kg			05/28/26 11:25	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72795-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-72791-A-11-E MS	Matrix Spike	96	93
880-72791-A-11-F MSD	Matrix Spike Duplicate	101	95
880-72795-1	CS-31(0.75')	94	93
LCS 880-141908/1-A	Lab Control Sample	105	95
LCSD 880-141908/2-A	Lab Control Sample Dup	99	98
MB 880-141908/5-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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-72597-A-5-B MS	Matrix Spike	98	144 S1+
880-72597-A-5-C MSD	Matrix Spike Duplicate	99	145 S1+
880-72795-1	CS-31(0.75')	103	99
LCS 880-141456/2-A	Lab Control Sample	99	154 S1+
LCSD 880-141456/3-A	Lab Control Sample Dup	101	156 S1+
MB 880-141456/1-A	Method Blank	128	122

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72795-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-141908/5-A
Matrix: Solid
Analysis Batch: 141892

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141908

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:09	05/28/26 11:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:09	05/28/26 11:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:09	05/28/26 11:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/28/26 10:09	05/28/26 11:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:09	05/28/26 11:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/28/26 10:09	05/28/26 11:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*05/28/26 10:09*	*05/28/26 11:01*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/28/26 10:09*	*05/28/26 11:01*	*1*

Lab Sample ID: LCS 880-141908/1-A
Matrix: Solid
Analysis Batch: 141892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141908

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.07178		mg/Kg		72	70 - 130		
Toluene			0.100	0.07918		mg/Kg		79	70 - 130		
Ethylbenzene			0.100	0.08687		mg/Kg		87	70 - 130		
m-Xylene & p-Xylene			0.200	0.1747		mg/Kg		87	70 - 130		
o-Xylene			0.100	0.08780		mg/Kg		88	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 880-141908/2-A
Matrix: Solid
Analysis Batch: 141892

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141908

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07486		mg/Kg		75	70 - 130	4	35
Toluene			0.100	0.08057		mg/Kg		81	70 - 130	2	35
Ethylbenzene			0.100	0.08848		mg/Kg		88	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1738		mg/Kg		87	70 - 130	1	35
o-Xylene			0.100	0.08755		mg/Kg		88	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-72791-A-11-E MS
Matrix: Solid
Analysis Batch: 141892

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 141908

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U F1	0.100	0.06631	F1	mg/Kg		66	70 - 130		
Toluene	<0.00200	U	0.100	0.07695		mg/Kg		77	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72795-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72791-A-11-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141892 — **Prep Batch: 141908**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08588		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1713		mg/Kg		86	70 - 130
o-Xylene	<0.00200	U	0.100	0.08444		mg/Kg		84	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: 880-72791-A-11-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141892 — **Prep Batch: 141908**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	0.06421	F1	mg/Kg		64	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.07255		mg/Kg		73	70 - 130	6	35
Ethylbenzene	<0.00200	U	0.100	0.08055		mg/Kg		81	70 - 130	6	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1618		mg/Kg		81	70 - 130	6	35
o-Xylene	<0.00200	U	0.100	0.07996		mg/Kg		80	70 - 130	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

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

Lab Sample ID: MB 880-141456/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141910 — **Prep Batch: 141456**

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		05/21/26 12:25	05/28/26 08:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/21/26 12:25	05/28/26 08:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/26 12:25	05/28/26 08:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*128*		*70 - 130*	*05/21/26 12:25*	*05/28/26 08:17*	*1*
o-Terphenyl (Surr)	*122*		*70 - 130*	*05/21/26 12:25*	*05/28/26 08:17*	*1*

Lab Sample ID: LCS 880-141456/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141910 — **Prep Batch: 141456**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	916.5		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1279		mg/Kg		128	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72795-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-141456/2-A
Matrix: Solid
Analysis Batch: 141910

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141456

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	99		70 - 130
o-Terphenyl (Surr)	154	S1+	70 - 130

Lab Sample ID: LCSD 880-141456/3-A
Matrix: Solid
Analysis Batch: 141910

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141456

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1056		mg/Kg		106	70 - 130	14	20
Diesel Range Organics (Over C10-C28)			1000	1280		mg/Kg		128	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	101		70 - 130
o-Terphenyl (Surr)	156	S1+	70 - 130

Lab Sample ID: 880-72597-A-5-B MS
Matrix: Solid
Analysis Batch: 141910

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 141456

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	1000	765.1		mg/Kg		75	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1082		mg/Kg		108	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	98		70 - 130
o-Terphenyl (Surr)	144	S1+	70 - 130

Lab Sample ID: 880-72597-A-5-C MSD
Matrix: Solid
Analysis Batch: 141910

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 141456

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	1000	784.7		mg/Kg		77	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1110		mg/Kg		111	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	99		70 - 130
o-Terphenyl (Surr)	145	S1+	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72795-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-141881/1-A
Matrix: Solid
Analysis Batch: 141891

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			05/28/26 09:01	1

Lab Sample ID: LCS 880-141881/2-A
Matrix: Solid
Analysis Batch: 141891

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	237.0		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-141881/3-A
Matrix: Solid
Analysis Batch: 141891

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	237.4		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-72792-A-13-B MS
Matrix: Solid
Analysis Batch: 141891

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	84.5		249	340.8		mg/Kg		103	90 - 110		

Lab Sample ID: 880-72792-A-13-C MSD
Matrix: Solid
Analysis Batch: 141891

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	84.5		249	340.0		mg/Kg		103	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72795-1
SDG: Lea County New Mexico

GC VOA

Analysis Batch: 141892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72795-1	CS-31(0.75')	Total/NA	Solid	8021B	141908
MB 880-141908/5-A	Method Blank	Total/NA	Solid	8021B	141908
LCS 880-141908/1-A	Lab Control Sample	Total/NA	Solid	8021B	141908
LCSD 880-141908/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	141908
880-72791-A-11-E MS	Matrix Spike	Total/NA	Solid	8021B	141908
880-72791-A-11-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	141908

Prep Batch: 141908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72795-1	CS-31(0.75')	Total/NA	Solid	5035	
MB 880-141908/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-141908/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-141908/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-72791-A-11-E MS	Matrix Spike	Total/NA	Solid	5035	
880-72791-A-11-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 141953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72795-1	CS-31(0.75')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 141456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72795-1	CS-31(0.75')	Total/NA	Solid	8015NM Prep	
MB 880-141456/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-141456/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-141456/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-72597-A-5-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-72597-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 141910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72795-1	CS-31(0.75')	Total/NA	Solid	8015B NM	141456
MB 880-141456/1-A	Method Blank	Total/NA	Solid	8015B NM	141456
LCS 880-141456/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	141456
LCSD 880-141456/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	141456
880-72597-A-5-B MS	Matrix Spike	Total/NA	Solid	8015B NM	141456
880-72597-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	141456

Analysis Batch: 141961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72795-1	CS-31(0.75')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 141881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72795-1	CS-31(0.75')	Soluble	Solid	DI Leach	
MB 880-141881/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-141881/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-141881/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72795-1
SDG: Lea County New Mexico

HPLC/IC (Continued)

Leach Batch: 141881 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72792-A-13-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-72792-A-13-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 141891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72795-1	CS-31(0.75')	Soluble	Solid	300.0	141881
MB 880-141881/1-A	Method Blank	Soluble	Solid	300.0	141881
LCS 880-141881/2-A	Lab Control Sample	Soluble	Solid	300.0	141881
LCSD 880-141881/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	141881
880-72792-A-13-B MS	Matrix Spike	Soluble	Solid	300.0	141881
880-72792-A-13-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	141881

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72795-1
SDG: Lea County New Mexico

Client Sample ID: CS-31(0.75')

Date Collected: 05/27/26 12:30
Date Received: 05/27/26 15:33

Lab Sample ID: 880-72795-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	141908	05/28/26 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141892	05/28/26 13:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141953	05/28/26 13:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			141961	05/28/26 14:47	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141456	05/21/26 12:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141910	05/28/26 14:47	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	141881	05/27/26 16:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141891	05/28/26 11:25	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-72795-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. 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: Matador Gavalon (03.13.2026)

Job ID: 880-72795-1
SDG: Lea County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72795-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-72795-1	CS-31(0.75')	Solid	05/27/26 12:30	05/27/26 15:33	New Mexico

Page 439 of 957

Chain of Custody

880-72795 Chain of Custody

880-72795 COC

5/28/2026

Page 1 of 1

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	☐ Routine ☑ Rush
Project Number:	3202		
Project Location	Lea County, New Mexico	Due Date:	24 hr
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No N/A	Correction Factor:	.1
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.6
Total Containers:		Corrected Temperature:	4.7

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride:300.0	Hold	Sample Comments
CS-31 (0.75')	5/27/2026	12:30	X		Comp	1	X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5-27-26 15:33		5-27-26 15:33

Page 18 of 19

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-72795-1
SDG Number: Lea County New Mexico

Login Number: 72795
List Number: 1
Creator: Juarez, Leticia

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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/27/2026 1:40:54 PM

JOB DESCRIPTION

Matador Gavalon (03.13.2026)
Lea County New Mexico

JOB NUMBER

880-72633-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 6/23/2026 8:46:47 AM

my EOL

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
5/27/2026 1:40:54 PM

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

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Laboratory Job ID: 880-72633-1
SDG: Lea County New Mexico

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 7
Surrogate Summary 30
QC Sample Results 32
QC Association Summary 44
Lab Chronicle 52
Certification Summary 62
Method Summary 63
Sample Summary 64
Chain of Custody 65
Receipt Checklists 68

Definitions/Glossary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
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.
S1-	Surrogate recovery exceeds control limits, low 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.
☼	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: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1

Job ID: 880-72633-1 Eurofins Midland

Job Narrative
880-72633-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 5/21/2026 3:45 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: CS-45(0.75') (880-72633-1), CS-46(0.75') (880-72633-2), CS-47(0.75') (880-72633-3), CS-48(0.75') (880-72633-4), CS-49(0.75') (880-72633-5), CS-50(0.75') (880-72633-6), CS-51(0.75') (880-72633-7), CS-52(0.75') (880-72633-8), CS-53(0.75') (880-72633-9), CS-54(0.75') (880-72633-10), CS-55(0.75') (880-72633-11), CS-56(0.75') (880-72633-12), CS-57(0.75') (880-72633-13), CS-58(0.75') (880-72633-14), CS-59(0.75') (880-72633-15), CS-60(0.75') (880-72633-16), CS-61(0.75') (880-72633-17), CS-62(0.75') (880-72633-18), CS-63(0.75') (880-72633-19), CS-64(0.75') (880-72633-20), CS-65(0.75') (880-72633-21), CS-66(0.75') (880-72633-22), CS-67(0.75') (880-72633-23), CS-68(0.75') (880-72633-24), CS-69(0.75') (880-72633-25), CS-70(0.75') (880-72633-26), CS-71(0.75') (880-72633-27), CS-72(0.75') (880-72633-28), CS-73(0.75') (880-72633-29) and CS-74(0.75') (880-72633-30).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-46(0.75') (880-72633-2), CS-47(0.75') (880-72633-3), CS-48(0.75') (880-72633-4), CS-49(0.75') (880-72633-5), CS-50(0.75') (880-72633-6), CS-51(0.75') (880-72633-7), CS-52(0.75') (880-72633-8), CS-53(0.75') (880-72633-9), CS-54(0.75') (880-72633-10) and (CCV 880-141667/33). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-141557 and analytical batch 880-141669 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.

Diesel Range Organics
Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-141530/2-A) and (LCSD 880-141530/3-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: CS-50(0.75') (880-72633-6), CS-51(0.75') (880-72633-7), (LCS 880-141531/2-A) and (LCSD 880-141531/3-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (880-72633-A-6-B MS) and (880-72633-A-6-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: CS-52(0.75') (880-72633-8), CS-53(0.75') (880-72633-9), CS-55(0.75') (880-72633-11), CS-59(0.75') (880-72633-15), CS-60(0.75') (880-72633-16) and CS-64(0.75') (880-72633-20). Evidence of matrix interferences is not obvious.

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-141531 and analytical batch 880-141652 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

Case Narrative

Client: Carmona Resources Job ID: 880-72633-1
Project: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1 (Continued) Eurofins Midland

acceptance limits.

Method 8015B NM: The continuing calibration verification (CCV) associated with batch 880-141652 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. The associated sample is:(CCV 880-141652/112).

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-141532/2-A), (LCSD 880-141532/3-A) and (MB 880-141532/1-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: CS-71(0.75') (880-72633-27). 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 300.0 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-141600 and analytical batch 880-141660 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.

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-45(0.75')

Lab Sample ID: 880-72633-1
Matrix: Solid
Date Collected: 05/21/26 10:00
Date Received: 05/21/26 15:45

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		05/26/26 10:36	05/26/26 16:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/26/26 10:36	05/26/26 16:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/26/26 10:36	05/26/26 16:46	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/26/26 10:36	05/26/26 16:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/26/26 10:36	05/26/26 16:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/26/26 10:36	05/26/26 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*05/26/26 10:36*	*05/26/26 16:46*	*1*
1,4-Difluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*05/26/26 10:36*	*05/26/26 16:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/26/26 16:46	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			05/23/26 16:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/22/26 07:57	05/23/26 16:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/22/26 07:57	05/23/26 16:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/22/26 07:57	05/23/26 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*95*		*70 - 130*	*05/22/26 07:57*	*05/23/26 16:17*	*1*
o-Terphenyl (Surr)	*90*		*70 - 130*	*05/22/26 07:57*	*05/23/26 16:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.7**		9.98		mg/Kg			05/23/26 23:05	1

Client Sample ID: CS-46(0.75')

Lab Sample ID: 880-72633-2
Matrix: Solid
Date Collected: 05/21/26 10:03
Date Received: 05/21/26 15:45

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		05/26/26 10:36	05/26/26 17:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/26/26 10:36	05/26/26 17:06	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/26/26 10:36	05/26/26 17:06	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		05/26/26 10:36	05/26/26 17:06	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/26/26 10:36	05/26/26 17:06	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/26/26 10:36	05/26/26 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/26/26 10:36*	*05/26/26 17:06*	*1*
1,4-Difluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*05/26/26 10:36*	*05/26/26 17:06*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-46(0.75')

Lab Sample ID: 880-72633-2
Matrix: Solid
Date Collected: 05/21/26 10:03
Date Received: 05/21/26 15:45

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			05/26/26 17:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/23/26 16:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/22/26 07:57	05/23/26 16:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/22/26 07:57	05/23/26 16:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/22/26 07:57	05/23/26 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*96*		*70 - 130*	*05/22/26 07:57*	*05/23/26 16:32*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*05/22/26 07:57*	*05/23/26 16:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.9**		10.1		mg/Kg			05/23/26 23:21	1

Client Sample ID: CS-47(0.75')

Lab Sample ID: 880-72633-3
Matrix: Solid
Date Collected: 05/21/26 10:06
Date Received: 05/21/26 15:45

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		05/26/26 10:36	05/26/26 17:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/26/26 10:36	05/26/26 17:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/26/26 10:36	05/26/26 17:27	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/26/26 10:36	05/26/26 17:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/26/26 10:36	05/26/26 17:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/26/26 10:36	05/26/26 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*05/26/26 10:36*	*05/26/26 17:27*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*05/26/26 10:36*	*05/26/26 17:27*	*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			05/26/26 17:27	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			05/23/26 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/22/26 07:57	05/23/26 16:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/22/26 07:57	05/23/26 16:47	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-47(0.75')

Lab Sample ID: 880-72633-3
Matrix: Solid
Date Collected: 05/21/26 10:06
Date Received: 05/21/26 15:45

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		05/22/26 07:57	05/23/26 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*95*		*70 - 130*	*05/22/26 07:57*	*05/23/26 16:47*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*05/22/26 07:57*	*05/23/26 16:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**180**		10.1		mg/Kg			05/23/26 23:26	1

Client Sample ID: CS-48(0.75')

Lab Sample ID: 880-72633-4
Matrix: Solid
Date Collected: 05/21/26 10:08
Date Received: 05/21/26 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 17:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 17:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 17:47	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		05/26/26 10:36	05/26/26 17:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 17:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/26/26 10:36	05/26/26 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*05/26/26 10:36*	*05/26/26 17:47*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*05/26/26 10:36*	*05/26/26 17:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/26/26 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/23/26 17:02	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	<49.8	U	49.8		mg/Kg		05/22/26 07:57	05/23/26 17:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/22/26 07:57	05/23/26 17:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/22/26 07:57	05/23/26 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*88*		*70 - 130*	*05/22/26 07:57*	*05/23/26 17:02*	*1*
o-Terphenyl (Surr)	*81*		*70 - 130*	*05/22/26 07:57*	*05/23/26 17:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**179**		10.1		mg/Kg			05/23/26 23:31	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-49(0.75')

Lab Sample ID: 880-72633-5
Matrix: Solid
Date Collected: 05/21/26 10:10
Date Received: 05/21/26 15:45

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		05/26/26 10:36	05/26/26 18:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/26/26 10:36	05/26/26 18:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/26/26 10:36	05/26/26 18:08	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/26/26 10:36	05/26/26 18:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/26/26 10:36	05/26/26 18:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/26/26 10:36	05/26/26 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*150*	*S1+*	*70 - 130*	*05/26/26 10:36*	*05/26/26 18:08*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*05/26/26 10:36*	*05/26/26 18:08*	*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			05/26/26 18:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/23/26 17:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/22/26 07:57	05/23/26 17:17	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/22/26 07:57	05/23/26 17:17	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/22/26 07:57	05/23/26 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*90*		*70 - 130*	*05/22/26 07:57*	*05/23/26 17:17*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*05/22/26 07:57*	*05/23/26 17:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**173**		10.0		mg/Kg			05/23/26 23:36	1

Client Sample ID: CS-50(0.75')

Lab Sample ID: 880-72633-6
Matrix: Solid
Date Collected: 05/21/26 10:13
Date Received: 05/21/26 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 18:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 18:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 18:28	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/26/26 10:36	05/26/26 18:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 18:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/26/26 10:36	05/26/26 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*	*05/26/26 10:36*	*05/26/26 18:28*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*05/26/26 10:36*	*05/26/26 18:28*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-50(0.75')

Lab Sample ID: 880-72633-6
Matrix: Solid
Date Collected: 05/21/26 10:13
Date Received: 05/21/26 15:45

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			05/26/26 18:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/23/26 11:42	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 F1	49.9		mg/Kg		05/22/26 07:59	05/23/26 11:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		05/22/26 07:59	05/23/26 11:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/22/26 07:59	05/23/26 11:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*52*	*S1-*	*70 - 130*	*05/22/26 07:59*	*05/23/26 11:42*	*1*
o-Terphenyl (Surr)	*48*	*S1-*	*70 - 130*	*05/22/26 07:59*	*05/23/26 11:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			05/23/26 23:51	1

Client Sample ID: CS-51(0.75')

Lab Sample ID: 880-72633-7
Matrix: Solid
Date Collected: 05/21/26 10:16
Date Received: 05/21/26 15:45

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		05/26/26 10:36	05/26/26 18:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/26/26 10:36	05/26/26 18:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/26/26 10:36	05/26/26 18:49	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/26/26 10:36	05/26/26 18:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/26/26 10:36	05/26/26 18:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/26/26 10:36	05/26/26 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*05/26/26 10:36*	*05/26/26 18:49*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*05/26/26 10:36*	*05/26/26 18:49*	*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			05/26/26 18:49	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			05/23/26 12:27	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		05/22/26 07:59	05/23/26 12:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/22/26 07:59	05/23/26 12:27	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-51(0.75')

Lab Sample ID: 880-72633-7
Matrix: Solid
Date Collected: 05/21/26 10:16
Date Received: 05/21/26 15:45

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		05/22/26 07:59	05/23/26 12:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*69*	*S1-*	*70 - 130*	*05/22/26 07:59*	*05/23/26 12:27*	*1*
o-Terphenyl (Surr)	*64*	*S1-*	*70 - 130*	*05/22/26 07:59*	*05/23/26 12:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**332**		9.98		mg/Kg			05/23/26 23:57	1

Client Sample ID: CS-52(0.75')

Lab Sample ID: 880-72633-8
Matrix: Solid
Date Collected: 05/21/26 10:18
Date Received: 05/21/26 15:45

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		05/26/26 10:36	05/26/26 19:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/26/26 10:36	05/26/26 19:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/26/26 10:36	05/26/26 19:09	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/26/26 10:36	05/26/26 19:09	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/26/26 10:36	05/26/26 19:09	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/26/26 10:36	05/26/26 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*	*05/26/26 10:36*	*05/26/26 19:09*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/26/26 10:36*	*05/26/26 19:09*	*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			05/26/26 19:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/23/26 12:43	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		05/22/26 07:59	05/23/26 12:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/22/26 07:59	05/23/26 12:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/22/26 07:59	05/23/26 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*70*		*70 - 130*	*05/22/26 07:59*	*05/23/26 12:43*	*1*
o-Terphenyl (Surr)	*65*	*S1-*	*70 - 130*	*05/22/26 07:59*	*05/23/26 12:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**234**		9.94		mg/Kg			05/24/26 00:02	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-53(0.75')

Lab Sample ID: 880-72633-9
Matrix: Solid
Date Collected: 05/21/26 10:20
Date Received: 05/21/26 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 19:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 19:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 19:30	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/26/26 10:36	05/26/26 19:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 19:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/26/26 10:36	05/26/26 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*05/26/26 10:36*	*05/26/26 19:30*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*05/26/26 10:36*	*05/26/26 19:30*	*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			05/26/26 19:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/23/26 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/22/26 07:59	05/23/26 12:58	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/22/26 07:59	05/23/26 12:58	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/22/26 07:59	05/23/26 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*71*		*70 - 130*	*05/22/26 07:59*	*05/23/26 12:58*	*1*
o-Terphenyl (Surr)	*64*	*S1-*	*70 - 130*	*05/22/26 07:59*	*05/23/26 12:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			05/24/26 00:07	1

Client Sample ID: CS-54(0.75')

Lab Sample ID: 880-72633-10
Matrix: Solid
Date Collected: 05/21/26 10:23
Date Received: 05/21/26 15:45

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		05/26/26 10:36	05/26/26 19:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/26/26 10:36	05/26/26 19:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/26/26 10:36	05/26/26 19:50	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/26/26 10:36	05/26/26 19:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/26/26 10:36	05/26/26 19:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/26/26 10:36	05/26/26 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*05/26/26 10:36*	*05/26/26 19:50*	*1*
1,4-Difluorobenzene (Surr)	*65*	*S1-*	*70 - 130*	*05/26/26 10:36*	*05/26/26 19:50*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-54(0.75')

Lab Sample ID: 880-72633-10
Matrix: Solid
Date Collected: 05/21/26 10:23
Date Received: 05/21/26 15:45

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			05/26/26 19:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/23/26 13:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/22/26 07:59	05/23/26 13:14	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/22/26 07:59	05/23/26 13:14	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/22/26 07:59	05/23/26 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*78*		*70 - 130*	*05/22/26 07:59*	*05/23/26 13:14*	*1*
o-Terphenyl (Surr)	*71*		*70 - 130*	*05/22/26 07:59*	*05/23/26 13:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**63.2**		9.94		mg/Kg			05/23/26 05:31	1

Client Sample ID: CS-55(0.75')

Lab Sample ID: 880-72633-11
Matrix: Solid
Date Collected: 05/21/26 10:25
Date Received: 05/21/26 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/26/26 08:45	05/26/26 16:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/26 08:45	05/26/26 16:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/26 08:45	05/26/26 16:43	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/26/26 08:45	05/26/26 16:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/26 08:45	05/26/26 16:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/26/26 08:45	05/26/26 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*05/26/26 08:45*	*05/26/26 16:43*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/26/26 08:45*	*05/26/26 16:43*	*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			05/26/26 16:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/23/26 13:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/22/26 07:59	05/23/26 13:29	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/22/26 07:59	05/23/26 13:29	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-55(0.75')

Lab Sample ID: 880-72633-11
Matrix: Solid
Date Collected: 05/21/26 10:25
Date Received: 05/21/26 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/22/26 07:59	05/23/26 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*76*		*70 - 130*	*05/22/26 07:59*	*05/23/26 13:29*	*1*
o-Terphenyl (Surr)	*69*	*S1-*	*70 - 130*	*05/22/26 07:59*	*05/23/26 13:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.3**		9.96		mg/Kg			05/23/26 05:36	1

Client Sample ID: CS-56(0.75')

Lab Sample ID: 880-72633-12
Matrix: Solid
Date Collected: 05/21/26 10:28
Date Received: 05/21/26 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/26/26 08:45	05/26/26 17:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/26 08:45	05/26/26 17:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/26 08:45	05/26/26 17:03	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/26/26 08:45	05/26/26 17:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/26 08:45	05/26/26 17:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/26/26 08:45	05/26/26 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*05/26/26 08:45*	*05/26/26 17:03*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/26/26 08:45*	*05/26/26 17:03*	*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			05/26/26 17:03	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			05/23/26 13:43	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	<50.0	U	50.0		mg/Kg		05/22/26 07:59	05/23/26 13:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/22/26 07:59	05/23/26 13:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/22/26 07:59	05/23/26 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*82*		*70 - 130*	*05/22/26 07:59*	*05/23/26 13:43*	*1*
o-Terphenyl (Surr)	*75*		*70 - 130*	*05/22/26 07:59*	*05/23/26 13:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24.4**		9.96		mg/Kg			05/23/26 05:41	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-57(0.75')

Lab Sample ID: 880-72633-13
Matrix: Solid
Date Collected: 05/21/26 10:35
Date Received: 05/21/26 15:45

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		05/26/26 08:45	05/26/26 17:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/26/26 08:45	05/26/26 17:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/26/26 08:45	05/26/26 17:23	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/26/26 08:45	05/26/26 17:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/26/26 08:45	05/26/26 17:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/26/26 08:45	05/26/26 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*05/26/26 08:45*	*05/26/26 17:23*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/26/26 08:45*	*05/26/26 17:23*	*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			05/26/26 17:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/23/26 14:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/22/26 07:59	05/23/26 14:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/22/26 07:59	05/23/26 14:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/22/26 07:59	05/23/26 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*83*		*70 - 130*	*05/22/26 07:59*	*05/23/26 14:00*	*1*
o-Terphenyl (Surr)	*76*		*70 - 130*	*05/22/26 07:59*	*05/23/26 14:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.8**		10.0		mg/Kg			05/23/26 05:46	1

Client Sample ID: CS-58(0.75')

Lab Sample ID: 880-72633-14
Matrix: Solid
Date Collected: 05/21/26 10:37
Date Received: 05/21/26 15:45

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		05/26/26 08:45	05/26/26 17:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/26/26 08:45	05/26/26 17:44	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/26/26 08:45	05/26/26 17:44	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/26/26 08:45	05/26/26 17:44	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/26/26 08:45	05/26/26 17:44	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/26/26 08:45	05/26/26 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*05/26/26 08:45*	*05/26/26 17:44*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/26/26 08:45*	*05/26/26 17:44*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-58(0.75')

Lab Sample ID: 880-72633-14
Matrix: Solid
Date Collected: 05/21/26 10:37
Date Received: 05/21/26 15:45

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			05/26/26 17:44	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			05/23/26 14:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/22/26 07:59	05/23/26 14:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/22/26 07:59	05/23/26 14:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/22/26 07:59	05/23/26 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*83*		*70 - 130*	*05/22/26 07:59*	*05/23/26 14:14*	*1*
o-Terphenyl (Surr)	*77*		*70 - 130*	*05/22/26 07:59*	*05/23/26 14:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**40.8**		10.0		mg/Kg			05/23/26 06:01	1

Client Sample ID: CS-59(0.75')

Lab Sample ID: 880-72633-15
Matrix: Solid
Date Collected: 05/21/26 11:03
Date Received: 05/21/26 15:45

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		05/26/26 08:45	05/26/26 18:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/26/26 08:45	05/26/26 18:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/26/26 08:45	05/26/26 18:04	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/26/26 08:45	05/26/26 18:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/26/26 08:45	05/26/26 18:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/26/26 08:45	05/26/26 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*05/26/26 08:45*	*05/26/26 18:04*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/26/26 08:45*	*05/26/26 18:04*	*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			05/26/26 18:04	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			05/23/26 14:29	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		05/22/26 07:59	05/23/26 14:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/22/26 07:59	05/23/26 14:29	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-59(0.75')

Lab Sample ID: 880-72633-15
Matrix: Solid
Date Collected: 05/21/26 11:03
Date Received: 05/21/26 15:45

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		05/22/26 07:59	05/23/26 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*70*		*70 - 130*	*05/22/26 07:59*	*05/23/26 14:29*	*1*
o-Terphenyl (Surr)	*49*	*S1-*	*70 - 130*	*05/22/26 07:59*	*05/23/26 14:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			05/24/26 02:05	1

Client Sample ID: CS-60(0.75')

Lab Sample ID: 880-72633-16
Matrix: Solid
Date Collected: 05/21/26 11:06
Date Received: 05/21/26 15:45

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		05/26/26 08:45	05/26/26 18:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/26/26 08:45	05/26/26 18:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/26/26 08:45	05/26/26 18:25	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/26/26 08:45	05/26/26 18:25	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/26/26 08:45	05/26/26 18:25	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/26/26 08:45	05/26/26 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*05/26/26 08:45*	*05/26/26 18:25*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/26/26 08:45*	*05/26/26 18:25*	*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			05/26/26 18:25	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			05/23/26 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/22/26 07:59	05/23/26 15:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/22/26 07:59	05/23/26 15:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/22/26 07:59	05/23/26 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*75*		*70 - 130*	*05/22/26 07:59*	*05/23/26 15:00*	*1*
o-Terphenyl (Surr)	*53*	*S1-*	*70 - 130*	*05/22/26 07:59*	*05/23/26 15:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			05/24/26 02:20	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-61(0.75')

Lab Sample ID: 880-72633-17
Matrix: Solid
Date Collected: 05/21/26 11:08
Date Received: 05/21/26 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/26/26 08:45	05/26/26 18:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/26 08:45	05/26/26 18:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/26 08:45	05/26/26 18:45	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/26/26 08:45	05/26/26 18:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/26 08:45	05/26/26 18:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/26/26 08:45	05/26/26 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*05/26/26 08:45*	*05/26/26 18:45*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/26/26 08:45*	*05/26/26 18:45*	*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			05/26/26 18:45	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			05/23/26 15:15	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	<50.0	U	50.0		mg/Kg		05/22/26 07:59	05/23/26 15:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/22/26 07:59	05/23/26 15:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/22/26 07:59	05/23/26 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*84*		*70 - 130*	*05/22/26 07:59*	*05/23/26 15:15*	*1*
o-Terphenyl (Surr)	*76*		*70 - 130*	*05/22/26 07:59*	*05/23/26 15:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**39.6**		10.0		mg/Kg			05/24/26 09:30	1

Client Sample ID: CS-62(0.75')

Lab Sample ID: 880-72633-18
Matrix: Solid
Date Collected: 05/21/26 11:10
Date Received: 05/21/26 15:45

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		05/26/26 08:45	05/26/26 19:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/26/26 08:45	05/26/26 19:06	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/26/26 08:45	05/26/26 19:06	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		05/26/26 08:45	05/26/26 19:06	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/26/26 08:45	05/26/26 19:06	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/26/26 08:45	05/26/26 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*05/26/26 08:45*	*05/26/26 19:06*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/26/26 08:45*	*05/26/26 19:06*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-62(0.75')

Lab Sample ID: 880-72633-18
Matrix: Solid
Date Collected: 05/21/26 11:10
Date Received: 05/21/26 15:45

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			05/26/26 19:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/23/26 15:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/22/26 07:59	05/23/26 15:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/22/26 07:59	05/23/26 15:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/22/26 07:59	05/23/26 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*05/22/26 07:59*	*05/23/26 15:32*	*1*
o-Terphenyl (Surr)	*81*		*70 - 130*	*05/22/26 07:59*	*05/23/26 15:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**66.9**		9.94		mg/Kg			05/24/26 02:26	1

Client Sample ID: CS-63(0.75')

Lab Sample ID: 880-72633-19
Matrix: Solid
Date Collected: 05/21/26 11:14
Date Received: 05/21/26 15:45

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		05/26/26 08:45	05/26/26 19:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/26/26 08:45	05/26/26 19:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/26/26 08:45	05/26/26 19:26	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		05/26/26 08:45	05/26/26 19:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/26/26 08:45	05/26/26 19:26	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/26/26 08:45	05/26/26 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*05/26/26 08:45*	*05/26/26 19:26*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/26/26 08:45*	*05/26/26 19:26*	*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			05/26/26 19:26	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			05/23/26 15:46	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		05/22/26 07:59	05/23/26 15:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/22/26 07:59	05/23/26 15:46	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-63(0.75')

Lab Sample ID: 880-72633-19
Matrix: Solid
Date Collected: 05/21/26 11:14
Date Received: 05/21/26 15:45

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		05/22/26 07:59	05/23/26 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*81*		*70 - 130*	*05/22/26 07:59*	*05/23/26 15:46*	*1*
o-Terphenyl (Surr)	*74*		*70 - 130*	*05/22/26 07:59*	*05/23/26 15:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			05/24/26 09:35	1

Client Sample ID: CS-64(0.75')

Lab Sample ID: 880-72633-20
Matrix: Solid
Date Collected: 05/21/26 11:16
Date Received: 05/21/26 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/26/26 08:45	05/26/26 19:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/26 08:45	05/26/26 19:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/26 08:45	05/26/26 19:47	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/26/26 08:45	05/26/26 19:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/26 08:45	05/26/26 19:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/26/26 08:45	05/26/26 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*05/26/26 08:45*	*05/26/26 19:47*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/26/26 08:45*	*05/26/26 19:47*	*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			05/26/26 19:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/23/26 16:01	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		05/22/26 07:59	05/23/26 16:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/22/26 07:59	05/23/26 16:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/22/26 07:59	05/23/26 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*80*		*70 - 130*	*05/22/26 07:59*	*05/23/26 16:01*	*1*
o-Terphenyl (Surr)	*63*	*S1-*	*70 - 130*	*05/22/26 07:59*	*05/23/26 16:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/24/26 02:43	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-65(0.75')

Lab Sample ID: 880-72633-21
Matrix: Solid
Date Collected: 05/21/26 11:18
Date Received: 05/21/26 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:04	05/26/26 16:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:04	05/26/26 16:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:04	05/26/26 16:23	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/26/26 09:04	05/26/26 16:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:04	05/26/26 16:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/26/26 09:04	05/26/26 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*05/26/26 09:04*	*05/26/26 16:23*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/26/26 09:04*	*05/26/26 16:23*	*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			05/26/26 16:23	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			05/23/26 16:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/22/26 07:59	05/23/26 16:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/22/26 07:59	05/23/26 16:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/22/26 07:59	05/23/26 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*90*		*70 - 130*	*05/22/26 07:59*	*05/23/26 16:17*	*1*
o-Terphenyl (Surr)	*82*		*70 - 130*	*05/22/26 07:59*	*05/23/26 16:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**173**		10.0		mg/Kg			05/24/26 02:48	1

Client Sample ID: CS-66(0.75')

Lab Sample ID: 880-72633-22
Matrix: Solid
Date Collected: 05/21/26 11:21
Date Received: 05/21/26 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:04	05/26/26 16:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:04	05/26/26 16:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:04	05/26/26 16:44	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/26/26 09:04	05/26/26 16:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:04	05/26/26 16:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/26/26 09:04	05/26/26 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*05/26/26 09:04*	*05/26/26 16:44*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/26/26 09:04*	*05/26/26 16:44*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-66(0.75')

Lab Sample ID: 880-72633-22
Date Collected: 05/21/26 11:21
Matrix: Solid
Date Received: 05/21/26 15:45

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			05/26/26 16:44	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			05/23/26 16:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/22/26 07:59	05/23/26 16:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/22/26 07:59	05/23/26 16:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/22/26 07:59	05/23/26 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*80*		*70 - 130*	*05/22/26 07:59*	*05/23/26 16:32*	*1*
o-Terphenyl (Surr)	*73*		*70 - 130*	*05/22/26 07:59*	*05/23/26 16:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31.2**		9.98		mg/Kg			05/24/26 02:54	1

Client Sample ID: CS-67(0.75')

Lab Sample ID: 880-72633-23
Date Collected: 05/21/26 12:00
Matrix: Solid
Date Received: 05/21/26 15:45

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		05/26/26 09:04	05/26/26 17:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/26/26 09:04	05/26/26 17:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/26/26 09:04	05/26/26 17:04	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/26/26 09:04	05/26/26 17:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/26/26 09:04	05/26/26 17:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/26/26 09:04	05/26/26 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*05/26/26 09:04*	*05/26/26 17:04*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/26/26 09:04*	*05/26/26 17:04*	*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			05/26/26 17:04	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			05/23/26 16:47	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	49.8		mg/Kg		05/22/26 07:59	05/23/26 16:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/22/26 07:59	05/23/26 16:47	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-67(0.75')

Lab Sample ID: 880-72633-23
Matrix: Solid
Date Collected: 05/21/26 12:00
Date Received: 05/21/26 15:45

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		05/22/26 07:59	05/23/26 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*85*		*70 - 130*	*05/22/26 07:59*	*05/23/26 16:47*	*1*
o-Terphenyl (Surr)	*78*		*70 - 130*	*05/22/26 07:59*	*05/23/26 16:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**169**		10.0		mg/Kg			05/24/26 02:59	1

Client Sample ID: CS-68(0.75')

Lab Sample ID: 880-72633-24
Matrix: Solid
Date Collected: 05/21/26 12:03
Date Received: 05/21/26 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:04	05/26/26 17:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:04	05/26/26 17:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:04	05/26/26 17:25	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		05/26/26 09:04	05/26/26 17:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:04	05/26/26 17:25	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/26/26 09:04	05/26/26 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*05/26/26 09:04*	*05/26/26 17:25*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/26/26 09:04*	*05/26/26 17:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/26/26 17:25	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			05/23/26 17:02	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		05/22/26 07:59	05/23/26 17:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/22/26 07:59	05/23/26 17:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/22/26 07:59	05/23/26 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*82*		*70 - 130*	*05/22/26 07:59*	*05/23/26 17:02*	*1*
o-Terphenyl (Surr)	*75*		*70 - 130*	*05/22/26 07:59*	*05/23/26 17:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.1**		10.0		mg/Kg			05/24/26 03:04	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-69(0.75')

Lab Sample ID: 880-72633-25
Matrix: Solid
Date Collected: 05/21/26 12:05
Date Received: 05/21/26 15:45

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		05/26/26 09:04	05/26/26 17:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/26/26 09:04	05/26/26 17:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/26/26 09:04	05/26/26 17:46	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/26/26 09:04	05/26/26 17:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/26/26 09:04	05/26/26 17:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/26/26 09:04	05/26/26 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*05/26/26 09:04*	*05/26/26 17:46*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/26/26 09:04*	*05/26/26 17:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/26/26 17:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/23/26 17:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/22/26 07:59	05/23/26 17:17	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/22/26 07:59	05/23/26 17:17	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/22/26 07:59	05/23/26 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*85*		*70 - 130*	*05/22/26 07:59*	*05/23/26 17:17*	*1*
o-Terphenyl (Surr)	*77*		*70 - 130*	*05/22/26 07:59*	*05/23/26 17:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.8**	**F1**	10.1		mg/Kg			05/24/26 03:09	1

Client Sample ID: CS-70(0.75')

Lab Sample ID: 880-72633-26
Matrix: Solid
Date Collected: 05/21/26 12:07
Date Received: 05/21/26 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:04	05/26/26 18:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:04	05/26/26 18:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:04	05/26/26 18:07	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/26/26 09:04	05/26/26 18:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:04	05/26/26 18:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/26/26 09:04	05/26/26 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*05/26/26 09:04*	*05/26/26 18:07*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/26/26 09:04*	*05/26/26 18:07*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-70(0.75')

Lab Sample ID: 880-72633-26
Matrix: Solid
Date Collected: 05/21/26 12:07
Date Received: 05/21/26 15:45

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			05/26/26 18:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/27/26 04:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/22/26 08:08	05/27/26 04:33	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/22/26 08:08	05/27/26 04:33	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/22/26 08:08	05/27/26 04:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*128*		*70 - 130*	*05/22/26 08:08*	*05/27/26 04:33*	*1*
o-Terphenyl (Surr)	*128*		*70 - 130*	*05/22/26 08:08*	*05/27/26 04:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**71.0**		10.1		mg/Kg			05/24/26 03:25	1

Client Sample ID: CS-71(0.75')

Lab Sample ID: 880-72633-27
Matrix: Solid
Date Collected: 05/21/26 12:09
Date Received: 05/21/26 15:45

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		05/26/26 09:04	05/26/26 18:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/26/26 09:04	05/26/26 18:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/26/26 09:04	05/26/26 18:27	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/26/26 09:04	05/26/26 18:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/26/26 09:04	05/26/26 18:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/26/26 09:04	05/26/26 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*05/26/26 09:04*	*05/26/26 18:27*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/26/26 09:04*	*05/26/26 18:27*	*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			05/26/26 18:27	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			05/27/26 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		05/22/26 08:08	05/27/26 05:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/22/26 08:08	05/27/26 05:34	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-71(0.75')

Lab Sample ID: 880-72633-27
Matrix: Solid
Date Collected: 05/21/26 12:09
Date Received: 05/21/26 15:45

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		05/22/26 08:08	05/27/26 05:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*118*		*70 - 130*	*05/22/26 08:08*	*05/27/26 05:34*	*1*
o-Terphenyl (Surr)	*131*	*S1+*	*70 - 130*	*05/22/26 08:08*	*05/27/26 05:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.1**		10.1		mg/Kg			05/24/26 03:30	1

Client Sample ID: CS-72(0.75')

Lab Sample ID: 880-72633-28
Matrix: Solid
Date Collected: 05/21/26 12:11
Date Received: 05/21/26 15:45

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		05/26/26 09:04	05/26/26 18:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/26/26 09:04	05/26/26 18:48	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/26/26 09:04	05/26/26 18:48	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/26/26 09:04	05/26/26 18:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/26/26 09:04	05/26/26 18:48	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/26/26 09:04	05/26/26 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/26/26 09:04*	*05/26/26 18:48*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/26/26 09:04*	*05/26/26 18:48*	*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			05/26/26 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			05/27/26 05:54	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	<50.3	U	50.3		mg/Kg		05/22/26 08:08	05/27/26 05:54	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		05/22/26 08:08	05/27/26 05:54	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		05/22/26 08:08	05/27/26 05:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*118*		*70 - 130*	*05/22/26 08:08*	*05/27/26 05:54*	*1*
o-Terphenyl (Surr)	*123*		*70 - 130*	*05/22/26 08:08*	*05/27/26 05:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**39.4**		9.94		mg/Kg			05/24/26 03:45	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-73(0.75')

Lab Sample ID: 880-72633-29
Matrix: Solid
Date Collected: 05/21/26 12:13
Date Received: 05/21/26 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:04	05/26/26 19:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:04	05/26/26 19:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:04	05/26/26 19:09	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/26/26 09:04	05/26/26 19:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:04	05/26/26 19:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/26/26 09:04	05/26/26 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*05/26/26 09:04*	*05/26/26 19:09*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/26/26 09:04*	*05/26/26 19:09*	*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			05/26/26 19:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/27/26 06:15	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	<50.1	U	50.1		mg/Kg		05/22/26 08:08	05/27/26 06:15	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/22/26 08:08	05/27/26 06:15	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/22/26 08:08	05/27/26 06:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*122*		*70 - 130*	*05/22/26 08:08*	*05/27/26 06:15*	*1*
o-Terphenyl (Surr)	*121*		*70 - 130*	*05/22/26 08:08*	*05/27/26 06:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.6**		9.90		mg/Kg			05/24/26 03:50	1

Client Sample ID: CS-74(0.75')

Lab Sample ID: 880-72633-30
Matrix: Solid
Date Collected: 05/21/26 12:16
Date Received: 05/21/26 15:45

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		05/26/26 09:04	05/26/26 19:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/26/26 09:04	05/26/26 19:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/26/26 09:04	05/26/26 19:30	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/26/26 09:04	05/26/26 19:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/26/26 09:04	05/26/26 19:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/26/26 09:04	05/26/26 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*05/26/26 09:04*	*05/26/26 19:30*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/26/26 09:04*	*05/26/26 19:30*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-74(0.75')

Date Collected: 05/21/26 12:16
Date Received: 05/21/26 15:45

Lab Sample ID: 880-72633-30

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/26/26 19:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			05/27/26 06:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		05/22/26 08:08	05/27/26 06:35	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		05/22/26 08:08	05/27/26 06:35	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		05/22/26 08:08	05/27/26 06:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*112*		*70 - 130*	*05/22/26 08:08*	*05/27/26 06:35*	*1*
o-Terphenyl (Surr)	*118*		*70 - 130*	*05/22/26 08:08*	*05/27/26 06:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.9**		9.92		mg/Kg			05/24/26 03:56	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-72580-A-21-G MS	Matrix Spike	70	84
880-72580-A-21-H MSD	Matrix Spike Duplicate	85	80
880-72580-A-31-F MS	Matrix Spike	102	100
880-72580-A-31-G MSD	Matrix Spike Duplicate	104	104
880-72582-A-9-D MS	Matrix Spike	114	84
880-72582-A-9-E MSD	Matrix Spike Duplicate	132 S1+	88
880-72633-1	CS-45(0.75')	108	68 S1-
880-72633-2	CS-46(0.75')	113	68 S1-
880-72633-3	CS-47(0.75')	139 S1+	83
880-72633-4	CS-48(0.75')	139 S1+	88
880-72633-5	CS-49(0.75')	150 S1+	111
880-72633-6	CS-50(0.75')	145 S1+	89
880-72633-7	CS-51(0.75')	137 S1+	85
880-72633-8	CS-52(0.75')	149 S1+	90
880-72633-9	CS-53(0.75')	140 S1+	87
880-72633-10	CS-54(0.75')	104	65 S1-
880-72633-11	CS-55(0.75')	103	91
880-72633-12	CS-56(0.75')	97	93
880-72633-13	CS-57(0.75')	102	92
880-72633-14	CS-58(0.75')	91	96
880-72633-15	CS-59(0.75')	98	92
880-72633-16	CS-60(0.75')	95	94
880-72633-17	CS-61(0.75')	83	98
880-72633-18	CS-62(0.75')	94	94
880-72633-19	CS-63(0.75')	99	92
880-72633-20	CS-64(0.75')	85	101
880-72633-21	CS-65(0.75')	100	95
880-72633-22	CS-66(0.75')	101	103
880-72633-23	CS-67(0.75')	101	98
880-72633-24	CS-68(0.75')	104	97
880-72633-25	CS-69(0.75')	104	103
880-72633-26	CS-70(0.75')	106	103
880-72633-27	CS-71(0.75')	104	102
880-72633-28	CS-72(0.75')	109	102
880-72633-29	CS-73(0.75')	103	100
880-72633-30	CS-74(0.75')	107	105
LCS 880-141557/1-A	Lab Control Sample	97	99
LCS 880-141678/1-A	Lab Control Sample	106	105
LCS 880-141716/1-A	Lab Control Sample	130	82
LCSD 880-141557/2-A	Lab Control Sample Dup	92	99
LCSD 880-141678/2-A	Lab Control Sample Dup	103	100
LCSD 880-141716/2-A	Lab Control Sample Dup	126	85
MB 880-141557/5-A	Method Blank	112	85
MB 880-141678/5-A	Method Blank	95	98
MB 880-141716/5-A	Method Blank	139 S1+	79

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Carmona Resources
Job ID: 880-72633-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County New Mexico

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-72633-1	CS-45(0.75')	95	90										
880-72633-2	CS-46(0.75')	96	99										
880-72633-3	CS-47(0.75')	95	93										
880-72633-4	CS-48(0.75')	88	81										
880-72633-5	CS-49(0.75')	90	92										
880-72633-6	CS-50(0.75')	52 S1-	48 S1-										
880-72633-6 MS	CS-50(0.75')	58 S1-	60 S1-										
880-72633-6 MSD	CS-50(0.75')	62 S1-	63 S1-										
880-72633-7	CS-51(0.75')	69 S1-	64 S1-										
880-72633-8	CS-52(0.75')	70	65 S1-										
880-72633-9	CS-53(0.75')	71	64 S1-										
880-72633-10	CS-54(0.75')	78	71										
880-72633-11	CS-55(0.75')	76	69 S1-										
880-72633-12	CS-56(0.75')	82	75										
880-72633-13	CS-57(0.75')	83	76										
880-72633-14	CS-58(0.75')	83	77										
880-72633-15	CS-59(0.75')	70	49 S1-										
880-72633-16	CS-60(0.75')	75	53 S1-										
880-72633-17	CS-61(0.75')	84	76										
880-72633-18	CS-62(0.75')	89	81										
880-72633-19	CS-63(0.75')	81	74										
880-72633-20	CS-64(0.75')	80	63 S1-										
880-72633-21	CS-65(0.75')	90	82										
880-72633-22	CS-66(0.75')	80	73										
880-72633-23	CS-67(0.75')	85	78										
880-72633-24	CS-68(0.75')	82	75										
880-72633-25	CS-69(0.75')	85	77										
880-72633-26	CS-70(0.75')	128	128										
880-72633-26 MS	CS-70(0.75')	114	110										
880-72633-26 MSD	CS-70(0.75')	117	116										
880-72633-27	CS-71(0.75')	118	131 S1+										
880-72633-28	CS-72(0.75')	118	123										
880-72633-29	CS-73(0.75')	122	121										
880-72633-30	CS-74(0.75')	112	118										
890-9968-A-1-B MS	Matrix Spike	89	123										
890-9968-A-1-C MSD	Matrix Spike Duplicate	90	114										
LCS 880-141530/2-A	Lab Control Sample	104	142 S1+										
LCS 880-141531/2-A	Lab Control Sample	60 S1-	61 S1-										
LCS 880-141532/2-A	Lab Control Sample	157 S1+	150 S1+										
LCSD 880-141530/3-A	Lab Control Sample Dup	104	143 S1+										
LCSD 880-141531/3-A	Lab Control Sample Dup	64 S1-	65 S1-										
LCSD 880-141532/3-A	Lab Control Sample Dup	147 S1+	146 S1+										
MB 880-141530/1-A	Method Blank	110	106										
MB 880-141531/1-A	Method Blank	90	82										
MB 880-141532/1-A	Method Blank	137 S1+	211 S1+										

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-141557/5-A
Matrix: Solid
Analysis Batch: 141669

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141557

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/22/26 08:45	05/26/26 11:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/22/26 08:45	05/26/26 11:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/22/26 08:45	05/26/26 11:43	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/22/26 08:45	05/26/26 11:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/22/26 08:45	05/26/26 11:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/22/26 08:45	05/26/26 11:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*05/22/26 08:45*	*05/26/26 11:43*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*05/22/26 08:45*	*05/26/26 11:43*	*1*

Lab Sample ID: LCS 880-141557/1-A
Matrix: Solid
Analysis Batch: 141669

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141557

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08346		mg/Kg		83	70 - 130
Toluene	0.100	0.08795		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09376		mg/Kg		94	70 - 130
m,p-Xylenes	0.200	0.1861		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09163		mg/Kg		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-141557/2-A
Matrix: Solid
Analysis Batch: 141669

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141557

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08268		mg/Kg		83	70 - 130	1	35
Toluene	0.100	0.08462		mg/Kg		85	70 - 130	4	35
Ethylbenzene	0.100	0.08986		mg/Kg		90	70 - 130	4	35
m,p-Xylenes	0.200	0.1762		mg/Kg		88	70 - 130	6	35
o-Xylene	0.100	0.08630		mg/Kg		86	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-72580-A-21-G MS
Matrix: Solid
Analysis Batch: 141669

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 141557

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.100	<0.00200	U F1	mg/Kg		2	70 - 130
Toluene	<0.00200	U F1	0.100	<0.00200	U F1	mg/Kg		0	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72580-A-21-G MS | **Client Sample ID: Matrix Spike**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 141669 | **Prep Batch: 141557**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F1	0.100	<0.00200	U F1	mg/Kg		1	70 - 130
m,p-Xylenes	<0.00399	U F1	0.200	<0.00400	U F1	mg/Kg		1	70 - 130
o-Xylene	<0.00200	U F1	0.100	<0.00200	U F1	mg/Kg		0	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*70*		*70 - 130*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*

Lab Sample ID: 880-72580-A-21-H MSD | **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 141669 | **Prep Batch: 141557**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	<0.00200	U F1	mg/Kg		0	70 - 130	NC	35
Toluene	<0.00200	U F1	0.100	<0.00200	U F1	mg/Kg		0	70 - 130	NC	35
Ethylbenzene	<0.00200	U F1	0.100	<0.00200	U F1	mg/Kg		0	70 - 130	NC	35
m,p-Xylenes	<0.00399	U F1	0.200	<0.00400	U F1	mg/Kg		0	70 - 130	NC	35
o-Xylene	<0.00200	U F1	0.100	<0.00200	U F1	mg/Kg		0	70 - 130	NC	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*

Lab Sample ID: MB 880-141678/5-A | **Client Sample ID: Method Blank**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 141672 | **Prep Batch: 141678**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:04	05/26/26 11:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:04	05/26/26 11:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:04	05/26/26 11:30	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/26/26 09:04	05/26/26 11:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/26 09:04	05/26/26 11:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/26/26 09:04	05/26/26 11:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*05/26/26 09:04*	*05/26/26 11:30*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/26/26 09:04*	*05/26/26 11:30*	*1*

Lab Sample ID: LCS 880-141678/1-A | **Client Sample ID: Lab Control Sample**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 141672 | **Prep Batch: 141678**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08465		mg/Kg		85	70 - 130
Toluene	0.100	0.08782		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.08695		mg/Kg		87	70 - 130
m,p-Xylenes	0.200	0.1753		mg/Kg		88	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-141678/1-A
Matrix: Solid
Analysis Batch: 141672

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141678

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.08885		mg/Kg		89	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-141678/2-A
Matrix: Solid
Analysis Batch: 141672

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141678

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08729		mg/Kg		87	70 - 130	3	35
Toluene			0.100	0.09445		mg/Kg		94	70 - 130	7	35
Ethylbenzene			0.100	0.09191		mg/Kg		92	70 - 130	6	35
m,p-Xylenes			0.200	0.1881		mg/Kg		94	70 - 130	7	35
o-Xylene			0.100	0.09390		mg/Kg		94	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-72580-A-31-F MS
Matrix: Solid
Analysis Batch: 141672

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 141678

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.07908		mg/Kg		79	70 - 130		
Toluene	<0.00200	U	0.100	0.08101		mg/Kg		81	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.07498		mg/Kg		75	70 - 130		
m,p-Xylenes	<0.00399	U	0.200	0.1513		mg/Kg		76	70 - 130		
o-Xylene	<0.00200	U	0.100	0.07932		mg/Kg		79	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-72580-A-31-G MSD
Matrix: Solid
Analysis Batch: 141672

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 141678

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	0.08301		mg/Kg		83	70 - 130	5	35
Toluene	<0.00200	U	0.100	0.08628		mg/Kg		86	70 - 130	6	35
Ethylbenzene	<0.00200	U	0.100	0.08409		mg/Kg		84	70 - 130	11	35
m,p-Xylenes	<0.00399	U	0.200	0.1714		mg/Kg		86	70 - 130	12	35
o-Xylene	<0.00200	U	0.100	0.08633		mg/Kg		86	70 - 130	8	35

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72580-A-31-G MSD
Matrix: Solid
Analysis Batch: 141672

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 141678

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

Lab Sample ID: MB 880-141716/5-A
Matrix: Solid
Analysis Batch: 141667

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141716

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 11:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 11:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 11:46	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/26/26 10:36	05/26/26 11:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/26 10:36	05/26/26 11:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/26/26 10:36	05/26/26 11:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	05/26/26 10:36	05/26/26 11:46	1
1,4-Difluorobenzene (Surr)	79		70 - 130	05/26/26 10:36	05/26/26 11:46	1

Lab Sample ID: LCS 880-141716/1-A
Matrix: Solid
Analysis Batch: 141667

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141716

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09543		mg/Kg		95	70 - 130		
Toluene			0.100	0.07857		mg/Kg		79	70 - 130		
Ethylbenzene			0.100	0.09752		mg/Kg		98	70 - 130		
m,p-Xylenes			0.200	0.1993		mg/Kg		100	70 - 130		
o-Xylene			0.100	0.1089		mg/Kg		109	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	130		70 - 130
1,4-Difluorobenzene (Surr)	82		70 - 130

Lab Sample ID: LCSD 880-141716/2-A
Matrix: Solid
Analysis Batch: 141667

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141716

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09283		mg/Kg		93	70 - 130	3	35
Toluene			0.100	0.07705		mg/Kg		77	70 - 130	2	35
Ethylbenzene			0.100	0.09423		mg/Kg		94	70 - 130	3	35
m,p-Xylenes			0.200	0.1935		mg/Kg		97	70 - 130	3	35
o-Xylene			0.100	0.1059		mg/Kg		106	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	126		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCSD 880-141716/2-A
Matrix: Solid
Analysis Batch: 141667

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141716

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 880-72582-A-9-D MS
Matrix: Solid
Analysis Batch: 141667

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 141716

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.07776		mg/Kg		78	70 - 130
Toluene	<0.00200	U	0.100	0.07805		mg/Kg		78	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08112		mg/Kg		81	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1691		mg/Kg		85	70 - 130
o-Xylene	<0.00200	U	0.100	0.09284		mg/Kg		93	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: 880-72582-A-9-E MSD
Matrix: Solid
Analysis Batch: 141667

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 141716

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	0.09738		mg/Kg		97	70 - 130	22	35
Toluene	<0.00200	U	0.100	0.08115		mg/Kg		81	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.100	0.1007		mg/Kg		101	70 - 130	22	35
m,p-Xylenes	<0.00399	U	0.200	0.2055		mg/Kg		103	70 - 130	19	35
o-Xylene	<0.00200	U	0.100	0.1141		mg/Kg		114	70 - 130	21	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

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

Lab Sample ID: MB 880-141530/1-A
Matrix: Solid
Analysis Batch: 141650

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141530

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		05/22/26 07:56	05/23/26 07:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/22/26 07:56	05/23/26 07:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/22/26 07:56	05/23/26 07:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130	05/22/26 07:56	05/23/26 07:11	1
o-Terphenyl (Surr)	106		70 - 130	05/22/26 07:56	05/23/26 07:11	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-141530/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141650 — **Prep Batch: 141530**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	840.5		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1082		mg/Kg		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*104*		*70 - 130*
o-Terphenyl (Surr)	*142*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-141530/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141650 — **Prep Batch: 141530**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	842.3		mg/Kg		84	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1074		mg/Kg		107	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*104*		*70 - 130*
o-Terphenyl (Surr)	*143*	*S1+*	*70 - 130*

Lab Sample ID: 890-9968-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141650 — **Prep Batch: 141530**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	999	834.0		mg/Kg		82	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.1	U	999	1108		mg/Kg		111	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*89*		*70 - 130*
o-Terphenyl (Surr)	*123*		*70 - 130*

Lab Sample ID: 890-9968-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141650 — **Prep Batch: 141530**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	999	872.0		mg/Kg		86	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.1	U	999	1072		mg/Kg		107	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*90*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

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

Lab Sample ID: 890-9968-A-1-C MSD
Matrix: Solid
Analysis Batch: 141650

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 141530

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl (Surr)	114		70 - 130

Lab Sample ID: MB 880-141531/1-A
Matrix: Solid
Analysis Batch: 141652

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141531

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		05/22/26 07:59	05/23/26 07:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/22/26 07:59	05/23/26 07:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/22/26 07:59	05/23/26 07:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130	05/22/26 07:59	05/23/26 07:11	1
o-Terphenyl (Surr)	82		70 - 130	05/22/26 07:59	05/23/26 07:11	1

Lab Sample ID: LCS 880-141531/2-A
Matrix: Solid
Analysis Batch: 141652

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141531

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	722.4		mg/Kg		72	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	784.5		mg/Kg		78	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	60	S1-	70 - 130
o-Terphenyl (Surr)	61	S1-	70 - 130

Lab Sample ID: LCSD 880-141531/3-A
Matrix: Solid
Analysis Batch: 141652

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141531

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	765.0		mg/Kg		77	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	823.8		mg/Kg		82	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	64	S1-	70 - 130
o-Terphenyl (Surr)	65	S1-	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72633-6 MS — **Client Sample ID: CS-50(0.75')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141652 — **Prep Batch: 141531**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1000	500.5	F1	mg/Kg		50	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	536.8	F1	mg/Kg		54	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*58*	*S1-*	*70 - 130*
o-Terphenyl (Surr)	*60*	*S1-*	*70 - 130*

Lab Sample ID: 880-72633-6 MSD — **Client Sample ID: CS-50(0.75')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141652 — **Prep Batch: 141531**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1000	532.3	F1	mg/Kg		53	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	567.1	F1	mg/Kg		57	70 - 130	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*62*	*S1-*	*70 - 130*
o-Terphenyl (Surr)	*63*	*S1-*	*70 - 130*

Lab Sample ID: MB 880-141532/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141769 — **Prep Batch: 141532**

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		05/22/26 08:07	05/27/26 03:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/22/26 08:07	05/27/26 03:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/22/26 08:07	05/27/26 03:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*137*	*S1+*	*70 - 130*	*05/22/26 08:07*	*05/27/26 03:32*	*1*
o-Terphenyl (Surr)	*211*	*S1+*	*70 - 130*	*05/22/26 08:07*	*05/27/26 03:32*	*1*

Lab Sample ID: LCS 880-141532/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141769 — **Prep Batch: 141532**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	952.9		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1170		mg/Kg		117	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-141532/2-A
Matrix: Solid
Analysis Batch: 141769

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141532

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	157	S1+	70 - 130
o-Terphenyl (Surr)	150	S1+	70 - 130

Lab Sample ID: LCSD 880-141532/3-A
Matrix: Solid
Analysis Batch: 141769

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141532

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	922.9		mg/Kg		92	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1068		mg/Kg		107	70 - 130	9	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	147	S1+	70 - 130
o-Terphenyl (Surr)	146	S1+	70 - 130

Lab Sample ID: 880-72633-26 MS
Matrix: Solid
Analysis Batch: 141769

Client Sample ID: CS-70(0.75')
Prep Type: Total/NA
Prep Batch: 141532

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	999	703.6		mg/Kg		70	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U	999	910.2		mg/Kg		91	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	114		70 - 130
o-Terphenyl (Surr)	110		70 - 130

Lab Sample ID: 880-72633-26 MSD
Matrix: Solid
Analysis Batch: 141769

Client Sample ID: CS-70(0.75')
Prep Type: Total/NA
Prep Batch: 141532

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	999	723.4		mg/Kg		72	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.1	U	999	945.3		mg/Kg		95	70 - 130	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	117		70 - 130
o-Terphenyl (Surr)	116		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-141603/1-A
Matrix: Solid
Analysis Batch: 141644

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			05/23/26 05:01	1

Lab Sample ID: LCS 880-141603/2-A
Matrix: Solid
Analysis Batch: 141644

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	238.1		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-141603/3-A
Matrix: Solid
Analysis Batch: 141644

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	259.3		mg/Kg		104	90 - 110	9	20

Lab Sample ID: 880-72631-A-1-B MS
Matrix: Solid
Analysis Batch: 141644

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	26.5		248	250.9		mg/Kg		90	90 - 110

Lab Sample ID: 880-72631-A-1-C MSD
Matrix: Solid
Analysis Batch: 141644

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	26.5		248	274.6		mg/Kg		100	90 - 110	9	20

Lab Sample ID: MB 880-141601/1-A
Matrix: Solid
Analysis Batch: 141658

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			05/23/26 22:50	1

Lab Sample ID: LCS 880-141601/2-A
Matrix: Solid
Analysis Batch: 141658

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	252.4		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-141601/3-A
Matrix: Solid
Analysis Batch: 141658

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	250.1		mg/Kg		100	90 - 110	1	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-72633-1 MS — **Client Sample ID: CS-45(0.75')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141658

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	22.7		250	288.2		mg/Kg		106	90 - 110

Lab Sample ID: 880-72633-1 MSD — **Client Sample ID: CS-45(0.75')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141658

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	22.7		250	283.6		mg/Kg		105	90 - 110	2	20

Lab Sample ID: MB 880-141600/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141660

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/24/26 01:49	1

Lab Sample ID: LCS 880-141600/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141660

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.6		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-141600/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141660

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	249.7		mg/Kg		100	90 - 110	2	20

Lab Sample ID: 880-72633-15 MS — **Client Sample ID: CS-59(0.75')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141660

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<9.92	U	248	266.8		mg/Kg		108	90 - 110

Lab Sample ID: 880-72633-15 MSD — **Client Sample ID: CS-59(0.75')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141660

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<9.92	U	248	262.9		mg/Kg		106	90 - 110	1	20

Lab Sample ID: 880-72633-25 MS — **Client Sample ID: CS-69(0.75')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141660

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.8	F1	252	283.1		mg/Kg		108	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-72633-25 MSD
Matrix: Solid
Analysis Batch: 141660

Client Sample ID: CS-69(0.75')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.8	F1	252	304.0	F1	mg/Kg		117	90 - 110	7	20

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

GC VOA

Prep Batch: 141557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72633-11	CS-55(0.75')	Total/NA	Solid	5035	
880-72633-12	CS-56(0.75')	Total/NA	Solid	5035	
880-72633-13	CS-57(0.75')	Total/NA	Solid	5035	
880-72633-14	CS-58(0.75')	Total/NA	Solid	5035	
880-72633-15	CS-59(0.75')	Total/NA	Solid	5035	
880-72633-16	CS-60(0.75')	Total/NA	Solid	5035	
880-72633-17	CS-61(0.75')	Total/NA	Solid	5035	
880-72633-18	CS-62(0.75')	Total/NA	Solid	5035	
880-72633-19	CS-63(0.75')	Total/NA	Solid	5035	
880-72633-20	CS-64(0.75')	Total/NA	Solid	5035	
MB 880-141557/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-141557/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-141557/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-72580-A-21-G MS	Matrix Spike	Total/NA	Solid	5035	
880-72580-A-21-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 141667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72633-1	CS-45(0.75')	Total/NA	Solid	8021B	141716
880-72633-2	CS-46(0.75')	Total/NA	Solid	8021B	141716
880-72633-3	CS-47(0.75')	Total/NA	Solid	8021B	141716
880-72633-4	CS-48(0.75')	Total/NA	Solid	8021B	141716
880-72633-5	CS-49(0.75')	Total/NA	Solid	8021B	141716
880-72633-6	CS-50(0.75')	Total/NA	Solid	8021B	141716
880-72633-7	CS-51(0.75')	Total/NA	Solid	8021B	141716
880-72633-8	CS-52(0.75')	Total/NA	Solid	8021B	141716
880-72633-9	CS-53(0.75')	Total/NA	Solid	8021B	141716
880-72633-10	CS-54(0.75')	Total/NA	Solid	8021B	141716
MB 880-141716/5-A	Method Blank	Total/NA	Solid	8021B	141716
LCS 880-141716/1-A	Lab Control Sample	Total/NA	Solid	8021B	141716
LCSD 880-141716/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	141716
880-72582-A-9-D MS	Matrix Spike	Total/NA	Solid	8021B	141716
880-72582-A-9-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	141716

Analysis Batch: 141669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72633-11	CS-55(0.75')	Total/NA	Solid	8021B	141557
880-72633-12	CS-56(0.75')	Total/NA	Solid	8021B	141557
880-72633-13	CS-57(0.75')	Total/NA	Solid	8021B	141557
880-72633-14	CS-58(0.75')	Total/NA	Solid	8021B	141557
880-72633-15	CS-59(0.75')	Total/NA	Solid	8021B	141557
880-72633-16	CS-60(0.75')	Total/NA	Solid	8021B	141557
880-72633-17	CS-61(0.75')	Total/NA	Solid	8021B	141557
880-72633-18	CS-62(0.75')	Total/NA	Solid	8021B	141557
880-72633-19	CS-63(0.75')	Total/NA	Solid	8021B	141557
880-72633-20	CS-64(0.75')	Total/NA	Solid	8021B	141557
MB 880-141557/5-A	Method Blank	Total/NA	Solid	8021B	141557
LCS 880-141557/1-A	Lab Control Sample	Total/NA	Solid	8021B	141557
LCSD 880-141557/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	141557
880-72580-A-21-G MS	Matrix Spike	Total/NA	Solid	8021B	141557
880-72580-A-21-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	141557

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

GC VOA

Analysis Batch: 141672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72633-21	CS-65(0.75')	Total/NA	Solid	8021B	141678
880-72633-22	CS-66(0.75')	Total/NA	Solid	8021B	141678
880-72633-23	CS-67(0.75')	Total/NA	Solid	8021B	141678
880-72633-24	CS-68(0.75')	Total/NA	Solid	8021B	141678
880-72633-25	CS-69(0.75')	Total/NA	Solid	8021B	141678
880-72633-26	CS-70(0.75')	Total/NA	Solid	8021B	141678
880-72633-27	CS-71(0.75')	Total/NA	Solid	8021B	141678
880-72633-28	CS-72(0.75')	Total/NA	Solid	8021B	141678
880-72633-29	CS-73(0.75')	Total/NA	Solid	8021B	141678
880-72633-30	CS-74(0.75')	Total/NA	Solid	8021B	141678
MB 880-141678/5-A	Method Blank	Total/NA	Solid	8021B	141678
LCS 880-141678/1-A	Lab Control Sample	Total/NA	Solid	8021B	141678
LCSD 880-141678/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	141678
880-72580-A-31-F MS	Matrix Spike	Total/NA	Solid	8021B	141678
880-72580-A-31-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	141678

Prep Batch: 141678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72633-21	CS-65(0.75')	Total/NA	Solid	5035	
880-72633-22	CS-66(0.75')	Total/NA	Solid	5035	
880-72633-23	CS-67(0.75')	Total/NA	Solid	5035	
880-72633-24	CS-68(0.75')	Total/NA	Solid	5035	
880-72633-25	CS-69(0.75')	Total/NA	Solid	5035	
880-72633-26	CS-70(0.75')	Total/NA	Solid	5035	
880-72633-27	CS-71(0.75')	Total/NA	Solid	5035	
880-72633-28	CS-72(0.75')	Total/NA	Solid	5035	
880-72633-29	CS-73(0.75')	Total/NA	Solid	5035	
880-72633-30	CS-74(0.75')	Total/NA	Solid	5035	
MB 880-141678/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-141678/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-141678/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-72580-A-31-F MS	Matrix Spike	Total/NA	Solid	5035	
880-72580-A-31-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 141716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72633-1	CS-45(0.75')	Total/NA	Solid	5035	
880-72633-2	CS-46(0.75')	Total/NA	Solid	5035	
880-72633-3	CS-47(0.75')	Total/NA	Solid	5035	
880-72633-4	CS-48(0.75')	Total/NA	Solid	5035	
880-72633-5	CS-49(0.75')	Total/NA	Solid	5035	
880-72633-6	CS-50(0.75')	Total/NA	Solid	5035	
880-72633-7	CS-51(0.75')	Total/NA	Solid	5035	
880-72633-8	CS-52(0.75')	Total/NA	Solid	5035	
880-72633-9	CS-53(0.75')	Total/NA	Solid	5035	
880-72633-10	CS-54(0.75')	Total/NA	Solid	5035	
MB 880-141716/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-141716/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-141716/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-72582-A-9-D MS	Matrix Spike	Total/NA	Solid	5035	
880-72582-A-9-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

GC VOA

Analysis Batch: 141850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72633-1	CS-45(0.75')	Total/NA	Solid	Total BTEX	
880-72633-2	CS-46(0.75')	Total/NA	Solid	Total BTEX	
880-72633-3	CS-47(0.75')	Total/NA	Solid	Total BTEX	
880-72633-4	CS-48(0.75')	Total/NA	Solid	Total BTEX	
880-72633-5	CS-49(0.75')	Total/NA	Solid	Total BTEX	
880-72633-6	CS-50(0.75')	Total/NA	Solid	Total BTEX	
880-72633-7	CS-51(0.75')	Total/NA	Solid	Total BTEX	
880-72633-8	CS-52(0.75')	Total/NA	Solid	Total BTEX	
880-72633-9	CS-53(0.75')	Total/NA	Solid	Total BTEX	
880-72633-10	CS-54(0.75')	Total/NA	Solid	Total BTEX	
880-72633-11	CS-55(0.75')	Total/NA	Solid	Total BTEX	
880-72633-12	CS-56(0.75')	Total/NA	Solid	Total BTEX	
880-72633-13	CS-57(0.75')	Total/NA	Solid	Total BTEX	
880-72633-14	CS-58(0.75')	Total/NA	Solid	Total BTEX	
880-72633-15	CS-59(0.75')	Total/NA	Solid	Total BTEX	
880-72633-16	CS-60(0.75')	Total/NA	Solid	Total BTEX	
880-72633-17	CS-61(0.75')	Total/NA	Solid	Total BTEX	
880-72633-18	CS-62(0.75')	Total/NA	Solid	Total BTEX	
880-72633-19	CS-63(0.75')	Total/NA	Solid	Total BTEX	
880-72633-20	CS-64(0.75')	Total/NA	Solid	Total BTEX	
880-72633-21	CS-65(0.75')	Total/NA	Solid	Total BTEX	
880-72633-22	CS-66(0.75')	Total/NA	Solid	Total BTEX	
880-72633-23	CS-67(0.75')	Total/NA	Solid	Total BTEX	
880-72633-24	CS-68(0.75')	Total/NA	Solid	Total BTEX	
880-72633-25	CS-69(0.75')	Total/NA	Solid	Total BTEX	
880-72633-26	CS-70(0.75')	Total/NA	Solid	Total BTEX	
880-72633-27	CS-71(0.75')	Total/NA	Solid	Total BTEX	
880-72633-28	CS-72(0.75')	Total/NA	Solid	Total BTEX	
880-72633-29	CS-73(0.75')	Total/NA	Solid	Total BTEX	
880-72633-30	CS-74(0.75')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 141530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72633-1	CS-45(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-2	CS-46(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-3	CS-47(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-4	CS-48(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-5	CS-49(0.75')	Total/NA	Solid	8015NM Prep	
MB 880-141530/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-141530/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-141530/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9968-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-9968-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 141531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72633-6	CS-50(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-7	CS-51(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-8	CS-52(0.75')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Prep Batch: 141531 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72633-9	CS-53(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-10	CS-54(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-11	CS-55(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-12	CS-56(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-13	CS-57(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-14	CS-58(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-15	CS-59(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-16	CS-60(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-17	CS-61(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-18	CS-62(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-19	CS-63(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-20	CS-64(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-21	CS-65(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-22	CS-66(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-23	CS-67(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-24	CS-68(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-25	CS-69(0.75')	Total/NA	Solid	8015NM Prep	
MB 880-141531/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-141531/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-141531/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-72633-6 MS	CS-50(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-6 MSD	CS-50(0.75')	Total/NA	Solid	8015NM Prep	

Prep Batch: 141532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72633-26	CS-70(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-27	CS-71(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-28	CS-72(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-29	CS-73(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-30	CS-74(0.75')	Total/NA	Solid	8015NM Prep	
MB 880-141532/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-141532/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-141532/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-72633-26 MS	CS-70(0.75')	Total/NA	Solid	8015NM Prep	
880-72633-26 MSD	CS-70(0.75')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 141650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72633-1	CS-45(0.75')	Total/NA	Solid	8015B NM	141530
880-72633-2	CS-46(0.75')	Total/NA	Solid	8015B NM	141530
880-72633-3	CS-47(0.75')	Total/NA	Solid	8015B NM	141530
880-72633-4	CS-48(0.75')	Total/NA	Solid	8015B NM	141530
880-72633-5	CS-49(0.75')	Total/NA	Solid	8015B NM	141530
MB 880-141530/1-A	Method Blank	Total/NA	Solid	8015B NM	141530
LCS 880-141530/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	141530
LCSD 880-141530/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	141530
890-9968-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	141530
890-9968-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	141530

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

GC Semi VOA

Analysis Batch: 141652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72633-6	CS-50(0.75')	Total/NA	Solid	8015B NM	141531
880-72633-7	CS-51(0.75')	Total/NA	Solid	8015B NM	141531
880-72633-8	CS-52(0.75')	Total/NA	Solid	8015B NM	141531
880-72633-9	CS-53(0.75')	Total/NA	Solid	8015B NM	141531
880-72633-10	CS-54(0.75')	Total/NA	Solid	8015B NM	141531
880-72633-11	CS-55(0.75')	Total/NA	Solid	8015B NM	141531
880-72633-12	CS-56(0.75')	Total/NA	Solid	8015B NM	141531
880-72633-13	CS-57(0.75')	Total/NA	Solid	8015B NM	141531
880-72633-14	CS-58(0.75')	Total/NA	Solid	8015B NM	141531
880-72633-15	CS-59(0.75')	Total/NA	Solid	8015B NM	141531
880-72633-16	CS-60(0.75')	Total/NA	Solid	8015B NM	141531
880-72633-17	CS-61(0.75')	Total/NA	Solid	8015B NM	141531
880-72633-18	CS-62(0.75')	Total/NA	Solid	8015B NM	141531
880-72633-19	CS-63(0.75')	Total/NA	Solid	8015B NM	141531
880-72633-20	CS-64(0.75')	Total/NA	Solid	8015B NM	141531
880-72633-21	CS-65(0.75')	Total/NA	Solid	8015B NM	141531
880-72633-22	CS-66(0.75')	Total/NA	Solid	8015B NM	141531
880-72633-23	CS-67(0.75')	Total/NA	Solid	8015B NM	141531
880-72633-24	CS-68(0.75')	Total/NA	Solid	8015B NM	141531
880-72633-25	CS-69(0.75')	Total/NA	Solid	8015B NM	141531
MB 880-141531/1-A	Method Blank	Total/NA	Solid	8015B NM	141531
LCS 880-141531/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	141531
LCSD 880-141531/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	141531
880-72633-6 MS	CS-50(0.75')	Total/NA	Solid	8015B NM	141531
880-72633-6 MSD	CS-50(0.75')	Total/NA	Solid	8015B NM	141531

Analysis Batch: 141742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72633-1	CS-45(0.75')	Total/NA	Solid	8015 NM	
880-72633-2	CS-46(0.75')	Total/NA	Solid	8015 NM	
880-72633-3	CS-47(0.75')	Total/NA	Solid	8015 NM	
880-72633-4	CS-48(0.75')	Total/NA	Solid	8015 NM	
880-72633-5	CS-49(0.75')	Total/NA	Solid	8015 NM	
880-72633-6	CS-50(0.75')	Total/NA	Solid	8015 NM	
880-72633-7	CS-51(0.75')	Total/NA	Solid	8015 NM	
880-72633-8	CS-52(0.75')	Total/NA	Solid	8015 NM	
880-72633-9	CS-53(0.75')	Total/NA	Solid	8015 NM	
880-72633-10	CS-54(0.75')	Total/NA	Solid	8015 NM	
880-72633-11	CS-55(0.75')	Total/NA	Solid	8015 NM	
880-72633-12	CS-56(0.75')	Total/NA	Solid	8015 NM	
880-72633-13	CS-57(0.75')	Total/NA	Solid	8015 NM	
880-72633-14	CS-58(0.75')	Total/NA	Solid	8015 NM	
880-72633-15	CS-59(0.75')	Total/NA	Solid	8015 NM	
880-72633-16	CS-60(0.75')	Total/NA	Solid	8015 NM	
880-72633-17	CS-61(0.75')	Total/NA	Solid	8015 NM	
880-72633-18	CS-62(0.75')	Total/NA	Solid	8015 NM	
880-72633-19	CS-63(0.75')	Total/NA	Solid	8015 NM	
880-72633-20	CS-64(0.75')	Total/NA	Solid	8015 NM	
880-72633-21	CS-65(0.75')	Total/NA	Solid	8015 NM	
880-72633-22	CS-66(0.75')	Total/NA	Solid	8015 NM	
880-72633-23	CS-67(0.75')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 141742 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72633-24	CS-68(0.75')	Total/NA	Solid	8015 NM	
880-72633-25	CS-69(0.75')	Total/NA	Solid	8015 NM	
880-72633-26	CS-70(0.75')	Total/NA	Solid	8015 NM	
880-72633-27	CS-71(0.75')	Total/NA	Solid	8015 NM	
880-72633-28	CS-72(0.75')	Total/NA	Solid	8015 NM	
880-72633-29	CS-73(0.75')	Total/NA	Solid	8015 NM	
880-72633-30	CS-74(0.75')	Total/NA	Solid	8015 NM	

Analysis Batch: 141769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72633-26	CS-70(0.75')	Total/NA	Solid	8015B NM	141532
880-72633-27	CS-71(0.75')	Total/NA	Solid	8015B NM	141532
880-72633-28	CS-72(0.75')	Total/NA	Solid	8015B NM	141532
880-72633-29	CS-73(0.75')	Total/NA	Solid	8015B NM	141532
880-72633-30	CS-74(0.75')	Total/NA	Solid	8015B NM	141532
MB 880-141532/1-A	Method Blank	Total/NA	Solid	8015B NM	141532
LCS 880-141532/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	141532
LCSD 880-141532/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	141532
880-72633-26 MS	CS-70(0.75')	Total/NA	Solid	8015B NM	141532
880-72633-26 MSD	CS-70(0.75')	Total/NA	Solid	8015B NM	141532

HPLC/IC

Leach Batch: 141600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72633-15	CS-59(0.75')	Soluble	Solid	DI Leach	
880-72633-16	CS-60(0.75')	Soluble	Solid	DI Leach	
880-72633-17	CS-61(0.75')	Soluble	Solid	DI Leach	
880-72633-18	CS-62(0.75')	Soluble	Solid	DI Leach	
880-72633-19	CS-63(0.75')	Soluble	Solid	DI Leach	
880-72633-20	CS-64(0.75')	Soluble	Solid	DI Leach	
880-72633-21	CS-65(0.75')	Soluble	Solid	DI Leach	
880-72633-22	CS-66(0.75')	Soluble	Solid	DI Leach	
880-72633-23	CS-67(0.75')	Soluble	Solid	DI Leach	
880-72633-24	CS-68(0.75')	Soluble	Solid	DI Leach	
880-72633-25	CS-69(0.75')	Soluble	Solid	DI Leach	
880-72633-26	CS-70(0.75')	Soluble	Solid	DI Leach	
880-72633-27	CS-71(0.75')	Soluble	Solid	DI Leach	
880-72633-28	CS-72(0.75')	Soluble	Solid	DI Leach	
880-72633-29	CS-73(0.75')	Soluble	Solid	DI Leach	
880-72633-30	CS-74(0.75')	Soluble	Solid	DI Leach	
MB 880-141600/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-141600/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-141600/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-72633-15 MS	CS-59(0.75')	Soluble	Solid	DI Leach	
880-72633-15 MSD	CS-59(0.75')	Soluble	Solid	DI Leach	
880-72633-25 MS	CS-69(0.75')	Soluble	Solid	DI Leach	
880-72633-25 MSD	CS-69(0.75')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

HPLC/IC

Leach Batch: 141601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72633-1	CS-45(0.75')	Soluble	Solid	DI Leach	
880-72633-2	CS-46(0.75')	Soluble	Solid	DI Leach	
880-72633-3	CS-47(0.75')	Soluble	Solid	DI Leach	
880-72633-4	CS-48(0.75')	Soluble	Solid	DI Leach	
880-72633-5	CS-49(0.75')	Soluble	Solid	DI Leach	
880-72633-6	CS-50(0.75')	Soluble	Solid	DI Leach	
880-72633-7	CS-51(0.75')	Soluble	Solid	DI Leach	
880-72633-8	CS-52(0.75')	Soluble	Solid	DI Leach	
880-72633-9	CS-53(0.75')	Soluble	Solid	DI Leach	
MB 880-141601/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-141601/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-141601/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-72633-1 MS	CS-45(0.75')	Soluble	Solid	DI Leach	
880-72633-1 MSD	CS-45(0.75')	Soluble	Solid	DI Leach	

Leach Batch: 141603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72633-10	CS-54(0.75')	Soluble	Solid	DI Leach	
880-72633-11	CS-55(0.75')	Soluble	Solid	DI Leach	
880-72633-12	CS-56(0.75')	Soluble	Solid	DI Leach	
880-72633-13	CS-57(0.75')	Soluble	Solid	DI Leach	
880-72633-14	CS-58(0.75')	Soluble	Solid	DI Leach	
MB 880-141603/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-141603/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-141603/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-72631-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-72631-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 141644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72633-10	CS-54(0.75')	Soluble	Solid	300.0	141603
880-72633-11	CS-55(0.75')	Soluble	Solid	300.0	141603
880-72633-12	CS-56(0.75')	Soluble	Solid	300.0	141603
880-72633-13	CS-57(0.75')	Soluble	Solid	300.0	141603
880-72633-14	CS-58(0.75')	Soluble	Solid	300.0	141603
MB 880-141603/1-A	Method Blank	Soluble	Solid	300.0	141603
LCS 880-141603/2-A	Lab Control Sample	Soluble	Solid	300.0	141603
LCSD 880-141603/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	141603
880-72631-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	141603
880-72631-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	141603

Analysis Batch: 141658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72633-1	CS-45(0.75')	Soluble	Solid	300.0	141601
880-72633-2	CS-46(0.75')	Soluble	Solid	300.0	141601
880-72633-3	CS-47(0.75')	Soluble	Solid	300.0	141601
880-72633-4	CS-48(0.75')	Soluble	Solid	300.0	141601
880-72633-5	CS-49(0.75')	Soluble	Solid	300.0	141601
880-72633-6	CS-50(0.75')	Soluble	Solid	300.0	141601
880-72633-7	CS-51(0.75')	Soluble	Solid	300.0	141601
880-72633-8	CS-52(0.75')	Soluble	Solid	300.0	141601

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

HPLC/IC (Continued)

Analysis Batch: 141658 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72633-9	CS-53(0.75')	Soluble	Solid	300.0	141601
MB 880-141601/1-A	Method Blank	Soluble	Solid	300.0	141601
LCS 880-141601/2-A	Lab Control Sample	Soluble	Solid	300.0	141601
LCSD 880-141601/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	141601
880-72633-1 MS	CS-45(0.75')	Soluble	Solid	300.0	141601
880-72633-1 MSD	CS-45(0.75')	Soluble	Solid	300.0	141601

Analysis Batch: 141660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72633-15	CS-59(0.75')	Soluble	Solid	300.0	141600
880-72633-16	CS-60(0.75')	Soluble	Solid	300.0	141600
880-72633-17	CS-61(0.75')	Soluble	Solid	300.0	141600
880-72633-18	CS-62(0.75')	Soluble	Solid	300.0	141600
880-72633-19	CS-63(0.75')	Soluble	Solid	300.0	141600
880-72633-20	CS-64(0.75')	Soluble	Solid	300.0	141600
880-72633-21	CS-65(0.75')	Soluble	Solid	300.0	141600
880-72633-22	CS-66(0.75')	Soluble	Solid	300.0	141600
880-72633-23	CS-67(0.75')	Soluble	Solid	300.0	141600
880-72633-24	CS-68(0.75')	Soluble	Solid	300.0	141600
880-72633-25	CS-69(0.75')	Soluble	Solid	300.0	141600
880-72633-26	CS-70(0.75')	Soluble	Solid	300.0	141600
880-72633-27	CS-71(0.75')	Soluble	Solid	300.0	141600
880-72633-28	CS-72(0.75')	Soluble	Solid	300.0	141600
880-72633-29	CS-73(0.75')	Soluble	Solid	300.0	141600
880-72633-30	CS-74(0.75')	Soluble	Solid	300.0	141600
MB 880-141600/1-A	Method Blank	Soluble	Solid	300.0	141600
LCS 880-141600/2-A	Lab Control Sample	Soluble	Solid	300.0	141600
LCSD 880-141600/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	141600
880-72633-15 MS	CS-59(0.75')	Soluble	Solid	300.0	141600
880-72633-15 MSD	CS-59(0.75')	Soluble	Solid	300.0	141600
880-72633-25 MS	CS-69(0.75')	Soluble	Solid	300.0	141600
880-72633-25 MSD	CS-69(0.75')	Soluble	Solid	300.0	141600

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-45(0.75')

Lab Sample ID: 880-72633-1
Matrix: Solid
Date Collected: 05/21/26 10:00
Date Received: 05/21/26 15:45

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	141716	05/26/26 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141667	05/26/26 16:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 16:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/23/26 16:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141530	05/22/26 07:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141650	05/23/26 16:17	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	141601	05/22/26 11:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141658	05/23/26 23:05	CS	EET MID

Client Sample ID: CS-46(0.75')

Lab Sample ID: 880-72633-2
Matrix: Solid
Date Collected: 05/21/26 10:03
Date Received: 05/21/26 15:45

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	141716	05/26/26 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141667	05/26/26 17:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 17:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/23/26 16:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	141530	05/22/26 07:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141650	05/23/26 16:32	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	141601	05/22/26 11:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141658	05/23/26 23:21	CS	EET MID

Client Sample ID: CS-47(0.75')

Lab Sample ID: 880-72633-3
Matrix: Solid
Date Collected: 05/21/26 10:06
Date Received: 05/21/26 15:45

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	141716	05/26/26 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141667	05/26/26 17:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 17:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/23/26 16:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141530	05/22/26 07:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141650	05/23/26 16:47	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	141601	05/22/26 11:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141658	05/23/26 23:26	CS	EET MID

Client Sample ID: CS-48(0.75')

Lab Sample ID: 880-72633-4
Matrix: Solid
Date Collected: 05/21/26 10:08
Date Received: 05/21/26 15:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	141716	05/26/26 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141667	05/26/26 17:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 17:47	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-48(0.75')

Lab Sample ID: 880-72633-4
Matrix: Solid
Date Collected: 05/21/26 10:08
Date Received: 05/21/26 15:45

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			141742	05/23/26 17:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	141530	05/22/26 07:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141650	05/23/26 17:02	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	141601	05/22/26 11:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141658	05/23/26 23:31	CS	EET MID

Client Sample ID: CS-49(0.75')

Lab Sample ID: 880-72633-5
Matrix: Solid
Date Collected: 05/21/26 10:10
Date Received: 05/21/26 15:45

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	141716	05/26/26 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141667	05/26/26 18:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 18:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/23/26 17:17	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141530	05/22/26 07:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141650	05/23/26 17:17	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	141601	05/22/26 11:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141658	05/23/26 23:36	CS	EET MID

Client Sample ID: CS-50(0.75')

Lab Sample ID: 880-72633-6
Matrix: Solid
Date Collected: 05/21/26 10:13
Date Received: 05/21/26 15:45

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	141716	05/26/26 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141667	05/26/26 18:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 18:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/23/26 11:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141531	05/22/26 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141652	05/23/26 11:42	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	141601	05/22/26 11:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141658	05/23/26 23:51	CS	EET MID

Client Sample ID: CS-51(0.75')

Lab Sample ID: 880-72633-7
Matrix: Solid
Date Collected: 05/21/26 10:16
Date Received: 05/21/26 15:45

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	141716	05/26/26 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141667	05/26/26 18:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 18:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/23/26 12:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141531	05/22/26 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141652	05/23/26 12:27	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-51(0.75')

Lab Sample ID: 880-72633-7
Matrix: Solid
Date Collected: 05/21/26 10:16
Date Received: 05/21/26 15:45

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	141601	05/22/26 11:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141658	05/23/26 23:57	CS	EET MID

Client Sample ID: CS-52(0.75')

Lab Sample ID: 880-72633-8
Matrix: Solid
Date Collected: 05/21/26 10:18
Date Received: 05/21/26 15:45

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	141716	05/26/26 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141667	05/26/26 19:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 19:09	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/23/26 12:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	141531	05/22/26 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141652	05/23/26 12:43	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	141601	05/22/26 11:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141658	05/24/26 00:02	CS	EET MID

Client Sample ID: CS-53(0.75')

Lab Sample ID: 880-72633-9
Matrix: Solid
Date Collected: 05/21/26 10:20
Date Received: 05/21/26 15:45

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	141716	05/26/26 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141667	05/26/26 19:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 19:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/23/26 12:58	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141531	05/22/26 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141652	05/23/26 12:58	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	141601	05/22/26 11:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141658	05/24/26 00:07	CS	EET MID

Client Sample ID: CS-54(0.75')

Lab Sample ID: 880-72633-10
Matrix: Solid
Date Collected: 05/21/26 10:23
Date Received: 05/21/26 15:45

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	141716	05/26/26 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141667	05/26/26 19:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 19:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/23/26 13:14	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	141531	05/22/26 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141652	05/23/26 13:14	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	141603	05/22/26 11:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141644	05/23/26 05:31	CS	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-55(0.75')
Date Collected: 05/21/26 10:25
Date Received: 05/21/26 15:45

Lab Sample ID: 880-72633-11
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			5.00 g	5 mL	141557	05/26/26 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141669	05/26/26 16:43	SA	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 16:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/23/26 13:29	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141531	05/22/26 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141652	05/23/26 13:29	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	141603	05/22/26 11:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141644	05/23/26 05:36	CS	EET MID

Client Sample ID: CS-56(0.75')
Date Collected: 05/21/26 10:28
Date Received: 05/21/26 15:45

Lab Sample ID: 880-72633-12
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			5.01 g	5 mL	141557	05/26/26 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141669	05/26/26 17:03	SA	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 17:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/23/26 13:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141531	05/22/26 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141652	05/23/26 13:43	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	141603	05/22/26 11:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141644	05/23/26 05:41	CS	EET MID

Client Sample ID: CS-57(0.75')
Date Collected: 05/21/26 10:35
Date Received: 05/21/26 15:45

Lab Sample ID: 880-72633-13
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	141557	05/26/26 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141669	05/26/26 17:23	SA	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 17:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/23/26 14:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	141531	05/22/26 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141652	05/23/26 14:00	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	141603	05/22/26 11:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141644	05/23/26 05:46	CS	EET MID

Client Sample ID: CS-58(0.75')
Date Collected: 05/21/26 10:37
Date Received: 05/21/26 15:45

Lab Sample ID: 880-72633-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	141557	05/26/26 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141669	05/26/26 17:44	SA	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 17:44	SA	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-58(0.75')

Lab Sample ID: 880-72633-14
Matrix: Solid
Date Collected: 05/21/26 10:37
Date Received: 05/21/26 15:45

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			141742	05/23/26 14:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141531	05/22/26 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141652	05/23/26 14:14	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	141603	05/22/26 11:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141644	05/23/26 06:01	CS	EET MID

Client Sample ID: CS-59(0.75')

Lab Sample ID: 880-72633-15
Matrix: Solid
Date Collected: 05/21/26 11:03
Date Received: 05/21/26 15:45

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	141557	05/26/26 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141669	05/26/26 18:04	SA	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 18:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/23/26 14:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	141531	05/22/26 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141652	05/23/26 14:29	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	141600	05/22/26 10:56	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141660	05/24/26 02:05	CS	EET MID

Client Sample ID: CS-60(0.75')

Lab Sample ID: 880-72633-16
Matrix: Solid
Date Collected: 05/21/26 11:06
Date Received: 05/21/26 15:45

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	141557	05/26/26 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141669	05/26/26 18:25	SA	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 18:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/23/26 15:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141531	05/22/26 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141652	05/23/26 15:00	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	141600	05/22/26 10:56	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141660	05/24/26 02:20	CS	EET MID

Client Sample ID: CS-61(0.75')

Lab Sample ID: 880-72633-17
Matrix: Solid
Date Collected: 05/21/26 11:08
Date Received: 05/21/26 15:45

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	141557	05/26/26 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141669	05/26/26 18:45	SA	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 18:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/23/26 15:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	141531	05/22/26 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141652	05/23/26 15:15	FC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-61(0.75')

Lab Sample ID: 880-72633-17
Matrix: Solid
Date Collected: 05/21/26 11:08
Date Received: 05/21/26 15:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	141600	05/22/26 10:56	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141660	05/24/26 09:30	CS	EET MID

Client Sample ID: CS-62(0.75')

Lab Sample ID: 880-72633-18
Matrix: Solid
Date Collected: 05/21/26 11:10
Date Received: 05/21/26 15:45

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	141557	05/26/26 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141669	05/26/26 19:06	SA	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 19:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/23/26 15:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141531	05/22/26 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141652	05/23/26 15:32	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	141600	05/22/26 10:56	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141660	05/24/26 02:26	CS	EET MID

Client Sample ID: CS-63(0.75')

Lab Sample ID: 880-72633-19
Matrix: Solid
Date Collected: 05/21/26 11:14
Date Received: 05/21/26 15:45

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	141557	05/26/26 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141669	05/26/26 19:26	SA	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 19:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/23/26 15:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141531	05/22/26 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141652	05/23/26 15:46	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	141600	05/22/26 10:56	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141660	05/24/26 09:35	CS	EET MID

Client Sample ID: CS-64(0.75')

Lab Sample ID: 880-72633-20
Matrix: Solid
Date Collected: 05/21/26 11:16
Date Received: 05/21/26 15:45

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	141557	05/26/26 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141669	05/26/26 19:47	SA	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 19:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/23/26 16:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	141531	05/22/26 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141652	05/23/26 16:01	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	141600	05/22/26 10:56	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141660	05/24/26 02:43	CS	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-65(0.75')
Date Collected: 05/21/26 11:18
Date Received: 05/21/26 15:45

Lab Sample ID: 880-72633-21
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			5.00 g	5 mL	141678	05/26/26 09:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141672	05/26/26 16:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 16:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/23/26 16:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141531	05/22/26 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141652	05/23/26 16:17	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	141600	05/22/26 10:56	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141660	05/24/26 02:48	CS	EET MID

Client Sample ID: CS-66(0.75')
Date Collected: 05/21/26 11:21
Date Received: 05/21/26 15:45

Lab Sample ID: 880-72633-22
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			5.01 g	5 mL	141678	05/26/26 09:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141672	05/26/26 16:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 16:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/23/26 16:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141531	05/22/26 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141652	05/23/26 16:32	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	141600	05/22/26 10:56	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141660	05/24/26 02:54	CS	EET MID

Client Sample ID: CS-67(0.75')
Date Collected: 05/21/26 12:00
Date Received: 05/21/26 15:45

Lab Sample ID: 880-72633-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	141678	05/26/26 09:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141672	05/26/26 17:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 17:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/23/26 16:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	141531	05/22/26 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141652	05/23/26 16:47	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	141600	05/22/26 10:56	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141660	05/24/26 02:59	CS	EET MID

Client Sample ID: CS-68(0.75')
Date Collected: 05/21/26 12:03
Date Received: 05/21/26 15:45

Lab Sample ID: 880-72633-24
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			4.99 g	5 mL	141678	05/26/26 09:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141672	05/26/26 17:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 17:25	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-68(0.75')
Date Collected: 05/21/26 12:03
Date Received: 05/21/26 15:45

Lab Sample ID: 880-72633-24
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			141742	05/23/26 17:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	141531	05/22/26 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141652	05/23/26 17:02	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	141600	05/22/26 10:56	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141660	05/24/26 03:04	CS	EET MID

Client Sample ID: CS-69(0.75')
Date Collected: 05/21/26 12:05
Date Received: 05/21/26 15:45

Lab Sample ID: 880-72633-25
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	141678	05/26/26 09:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141672	05/26/26 17:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 17:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/23/26 17:17	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141531	05/22/26 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141652	05/23/26 17:17	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	141600	05/22/26 10:56	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141660	05/24/26 03:09	CS	EET MID

Client Sample ID: CS-70(0.75')
Date Collected: 05/21/26 12:07
Date Received: 05/21/26 15:45

Lab Sample ID: 880-72633-26
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			5.01 g	5 mL	141678	05/26/26 09:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141672	05/26/26 18:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 18:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/27/26 04:33	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141532	05/22/26 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141769	05/27/26 04:33	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	141600	05/22/26 10:56	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141660	05/24/26 03:25	CS	EET MID

Client Sample ID: CS-71(0.75')
Date Collected: 05/21/26 12:09
Date Received: 05/21/26 15:45

Lab Sample ID: 880-72633-27
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	141678	05/26/26 09:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141672	05/26/26 18:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 18:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/27/26 05:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	141532	05/22/26 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141769	05/27/26 05:34	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Client Sample ID: CS-71(0.75')

Lab Sample ID: 880-72633-27
Matrix: Solid
Date Collected: 05/21/26 12:09
Date Received: 05/21/26 15:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	141600	05/22/26 10:56	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141660	05/24/26 03:30	CS	EET MID

Client Sample ID: CS-72(0.75')

Lab Sample ID: 880-72633-28
Matrix: Solid
Date Collected: 05/21/26 12:11
Date Received: 05/21/26 15:45

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	141678	05/26/26 09:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141672	05/26/26 18:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 18:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/27/26 05:54	SA	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10.00 mL	141532	05/22/26 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141769	05/27/26 05:54	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	141600	05/22/26 10:56	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141660	05/24/26 03:45	CS	EET MID

Client Sample ID: CS-73(0.75')

Lab Sample ID: 880-72633-29
Matrix: Solid
Date Collected: 05/21/26 12:13
Date Received: 05/21/26 15:45

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	141678	05/26/26 09:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141672	05/26/26 19:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 19:09	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/27/26 06:15	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141532	05/22/26 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141769	05/27/26 06:15	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	141600	05/22/26 10:56	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141660	05/24/26 03:50	CS	EET MID

Client Sample ID: CS-74(0.75')

Lab Sample ID: 880-72633-30
Matrix: Solid
Date Collected: 05/21/26 12:16
Date Received: 05/21/26 15:45

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	141678	05/26/26 09:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141672	05/26/26 19:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141850	05/26/26 19:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			141742	05/27/26 06:35	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10.00 mL	141532	05/22/26 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141769	05/27/26 06:35	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	141600	05/22/26 10:56	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141660	05/24/26 03:56	CS	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-72633-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. 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: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72633-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-72633-1	CS-45(0.75')	Solid	05/21/26 10:00	05/21/26 15:45	New Mexico
880-72633-2	CS-46(0.75')	Solid	05/21/26 10:03	05/21/26 15:45	New Mexico
880-72633-3	CS-47(0.75')	Solid	05/21/26 10:06	05/21/26 15:45	New Mexico
880-72633-4	CS-48(0.75')	Solid	05/21/26 10:08	05/21/26 15:45	New Mexico
880-72633-5	CS-49(0.75')	Solid	05/21/26 10:10	05/21/26 15:45	New Mexico
880-72633-6	CS-50(0.75')	Solid	05/21/26 10:13	05/21/26 15:45	New Mexico
880-72633-7	CS-51(0.75')	Solid	05/21/26 10:16	05/21/26 15:45	New Mexico
880-72633-8	CS-52(0.75')	Solid	05/21/26 10:18	05/21/26 15:45	New Mexico
880-72633-9	CS-53(0.75')	Solid	05/21/26 10:20	05/21/26 15:45	New Mexico
880-72633-10	CS-54(0.75')	Solid	05/21/26 10:23	05/21/26 15:45	New Mexico
880-72633-11	CS-55(0.75')	Solid	05/21/26 10:25	05/21/26 15:45	New Mexico
880-72633-12	CS-56(0.75')	Solid	05/21/26 10:28	05/21/26 15:45	New Mexico
880-72633-13	CS-57(0.75')	Solid	05/21/26 10:35	05/21/26 15:45	New Mexico
880-72633-14	CS-58(0.75')	Solid	05/21/26 10:37	05/21/26 15:45	New Mexico
880-72633-15	CS-59(0.75')	Solid	05/21/26 11:03	05/21/26 15:45	New Mexico
880-72633-16	CS-60(0.75')	Solid	05/21/26 11:06	05/21/26 15:45	New Mexico
880-72633-17	CS-61(0.75')	Solid	05/21/26 11:08	05/21/26 15:45	New Mexico
880-72633-18	CS-62(0.75')	Solid	05/21/26 11:10	05/21/26 15:45	New Mexico
880-72633-19	CS-63(0.75')	Solid	05/21/26 11:14	05/21/26 15:45	New Mexico
880-72633-20	CS-64(0.75')	Solid	05/21/26 11:16	05/21/26 15:45	New Mexico
880-72633-21	CS-65(0.75')	Solid	05/21/26 11:18	05/21/26 15:45	New Mexico
880-72633-22	CS-66(0.75')	Solid	05/21/26 11:21	05/21/26 15:45	New Mexico
880-72633-23	CS-67(0.75')	Solid	05/21/26 12:00	05/21/26 15:45	New Mexico
880-72633-24	CS-68(0.75')	Solid	05/21/26 12:03	05/21/26 15:45	New Mexico
880-72633-25	CS-69(0.75')	Solid	05/21/26 12:05	05/21/26 15:45	New Mexico
880-72633-26	CS-70(0.75')	Solid	05/21/26 12:07	05/21/26 15:45	New Mexico
880-72633-27	CS-71(0.75')	Solid	05/21/26 12:09	05/21/26 15:45	New Mexico
880-72633-28	CS-72(0.75')	Solid	05/21/26 12:11	05/21/26 15:45	New Mexico
880-72633-29	CS-73(0.75')	Solid	05/21/26 12:13	05/21/26 15:45	New Mexico
880-72633-30	CS-74(0.75')	Solid	05/21/26 12:16	05/21/26 15:45	New Mexico

Page 505 of 957

Chain of Custody

880-72633 Chain of Custody

880-72633 COC

5/27/2026

Page ___1___ of ___3___

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	☐ Routine ☑ Rush
Project Number:	3202	Due Date:	72 HR
Project Location	Lea County, New Mexico		
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.0
Total Containers:		Corrected Temperature:	4.1

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS-45 (0.75')	5/21/2026	10:00	X		Comp	1		X	X	X		
CS-46 (0.75')	5/21/2026	10:03	X		Comp	1		X	X	X		
CS-47 (0.75')	5/21/2026	10:06	X		Comp	1		X	X	X		
CS-48 (0.75')	5/21/2026	10:08	X		Comp	1		X	X	X		
CS-49 (0.75')	5/21/2026	10:10	X		Comp	1		X	X	X		
CS-50 (0.75')	5/21/2026	10:13	X		Comp	1		X	X	X		
CS-51 (0.75')	5/21/2026	10:16	X		Comp	1		X	X	X		
CS-52 (0.75')	5/21/2026	10:18	X		Comp	1		X	X	X		
CS-53 (0.75')	5/21/2026	10:20	X		Comp	1		X	X	X		
CS-54 (0.75')	5/21/2026	10:23	X		Comp	1		X	X	X		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5-21-26 15:45		5.21.26 15:45

Page 65 of 68

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Page 506 of 957

Chain of Custody

Work Order No: _____

5/27/2026

Page 2 of 3

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ rownfields ☐ RC ☐ perfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	72 HR
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.0
Total Containers:		Corrected Temperature:	4.1

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS-55 (0.75')	5/21/2026	10:25	X		Comp	1		X	X	X		
CS-56 (0.75')	5/21/2026	10:28	X		Comp	1		X	X	X		
CS-57 (0.75')	5/21/2026	10:35	X		Comp	1		X	X	X		
CS-58 (0.75')	5/21/2026	10:37	X		Comp	1		X	X	X		
CS-59 (0.75')	5/21/2026	11:03	X		Comp	1		X	X	X		
CS-60 (0.75')	5/21/2026	11:06	X		Comp	1		X	X	X		
CS-61 (0.75')	5/21/2026	11:08	X		Comp	1		X	X	X		
CS-62 (0.75')	5/21/2026	11:10	X		Comp	1		X	X	X		
CS-63 (0.75')	5/21/2026	11:14	X		Comp	1		X	X	X		
CS-64 (0.75')	5/21/2026	11:16	X		Comp	1		X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5-21-26 15:45		5-21-26 15:45

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Page 507 of 957

Chain of Custody

Work Order No: _____

5/27/2026

Page 3 of 3

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	☐ Routine ☑ Rush
Project Number:	3202	Due Date:	72 HR
Project Location	Lea County, New Mexico		
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.0
Total Containers:		Corrected Temperature:	4.1

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS-65 (0.75')	5/21/2026	11:18	X		Comp	1		X	X	X		
CS-66 (0.75')	5/21/2026	11:21	X		Comp	1		X	X	X		
CS-67 (0.75')	5/21/2026	12:00	X		Comp	1		X	X	X		
CS-68 (0.75')	5/21/2026	12:03	X		Comp	1		X	X	X		
CS-69 (0.75')	5/21/2026	12:05	X		Comp	1		X	X	X		
CS-70 (0.75')	5/21/2026	12:07	X		Comp	1		X	X	X		
CS-71 (0.75')	5/21/2026	12:09	X		Comp	1		X	X	X		
CS-72 (0.75')	5/21/2026	12:11	X		Comp	1		X	X	X		
CS-73 (0.75')	5/21/2026	12:13	X		Comp	1		X	X	X		
CS-74 (0.75')	5/21/2026	12:16	X		Comp	1		X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5.21.26 15:45		5.21.26 15:45

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-72633-1
SDG Number: Lea County New Mexico

Login Number: 72633
List Number: 1
Creator: Juarez, Leticia

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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/28/2026 5:18:59 PM

JOB DESCRIPTION

Matador Gavalon (03.13.2026)
Lea County, New Mexico

JOB NUMBER

880-72727-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 6/23/2026 8:46:47 AM

my EOL

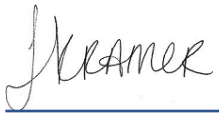
Eurofins Midland

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
5/28/2026 5:18:59 PM

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

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Laboratory Job ID: 880-72727-1
SDG: Lea County, New Mexico

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 7
Surrogate Summary 25
QC Sample Results 27
QC Association Summary 36
Lab Chronicle 42
Certification Summary 49
Method Summary 50
Sample Summary 51
Chain of Custody 52
Receipt Checklists 55

Definitions/Glossary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low 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.
☼	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: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1

Job ID: 880-72727-1 Eurofins Midland

Job Narrative
880-72727-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 5/26/2026 3:45 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 3.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-75 (0.5') (880-72727-1), CS-76 (0.5') (880-72727-2), CS-77 (0.5') (880-72727-3), CS-78 (0.5') (880-72727-4), CS-79 (0.5') (880-72727-5), CS-80 (0.5') (880-72727-6), CS-81 (0.5') (880-72727-7), CS-82 (0.5') (880-72727-8), CS-83 (0.5') (880-72727-9), CS-84 (0.5') (880-72727-10), CS-85 (0.5') (880-72727-11), CS-86 (2.0') (880-72727-12), CS-87 (2.0') (880-72727-13), CS-88 (2.0') (880-72727-14), CS-89 (2.0') (880-72727-15), CS-90 (2.0') (880-72727-16), CS-91 (2.0') (880-72727-17), CS-92 (2.0') (880-72727-18), CS-93 (2.0') (880-72727-19), CS-94 (2.0') (880-72727-20), CS-95 (2.0') (880-72727-21), CS-96 (2.0') (880-72727-22) and CS-97 (2.0') (880-72727-23).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-86 (2.0') (880-72727-12), CS-93 (2.0') (880-72727-19) and CS-94 (2.0') (880-72727-20). Evidence of matrix interferences is not obvious.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-141868 and analytical batch 880-141795 was outside the upper control limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-141822 and analytical batch 880-141795 was outside the upper control limits.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-141820 and analytical batch 880-141796 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside the upper control limit: CS-97 (2.0') (880-72727-23). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics
Method 8015B NM: Surrogate recovery for the following samples were outside control limits: CS-93 (2.0') (880-72727-19), CS-95 (2.0') (880-72727-21), CS-96 (2.0') (880-72727-22) and CS-97 (2.0') (880-72727-23). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (880-72727-A-19-B MS) and (880-72727-A-19-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-141785/3-A). Evidence of matrix interferences is not obvious.

Case Narrative

Client: Carmona Resources Job ID: 880-72727-1
Project: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1 (Continued) Eurofins Midland

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: CS-94 (2.0') (880-72727-20). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: CS-75 (0.5') (880-72727-1), CS-76 (0.5') (880-72727-2), CS-77 (0.5') (880-72727-3), CS-78 (0.5') (880-72727-4), CS-79 (0.5') (880-72727-5), CS-80 (0.5') (880-72727-6), CS-81 (0.5') (880-72727-7), CS-82 (0.5') (880-72727-8), CS-83 (0.5') (880-72727-9), CS-84 (0.5') (880-72727-10), CS-85 (0.5') (880-72727-11), CS-86 (2.0') (880-72727-12), CS-87 (2.0') (880-72727-13), CS-88 (2.0') (880-72727-14), CS-89 (2.0') (880-72727-15), CS-90 (2.0') (880-72727-16), CS-91 (2.0') (880-72727-17), CS-92 (2.0') (880-72727-18), (LCS 880-141784/2-A), (MB 880-141784/1-A) and (890-9989-A-3-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (890-9989-A-3-B MS) and (890-9989-A-3-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-141784/3-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-141784 and analytical batch 880-141873 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-141784 and analytical batch 880-141873 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 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-141785 and analytical batch 880-141871 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 300.0 - Soluble: The Chloride matrix spike (MS) recoveries for preparation batch 880-141787 and analytical batch 880-141817 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

The associated samples are: CS-95 (2.0') (880-72727-21), CS-96 (2.0') (880-72727-22), CS-97 (2.0') (880-72727-23) and (880-72727-A-21-C MS).

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

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Client Sample ID: CS-75 (0.5')

Lab Sample ID: 880-72727-1
Matrix: Solid
Date Collected: 05/26/26 09:20
Date Received: 05/26/26 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/27/26 23:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/27/26 23:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/27/26 23:53	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/27/26 15:16	05/27/26 23:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/27/26 23:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/27/26 15:16	05/27/26 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*05/27/26 15:16*	*05/27/26 23:53*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*05/27/26 15:16*	*05/27/26 23:53*	*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			05/27/26 23:53	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			05/28/26 05:28	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		05/26/26 18:14	05/28/26 05:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		05/26/26 18:14	05/28/26 05:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/26 18:14	05/28/26 05:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*186*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 05:28*	*1*
o-Terphenyl (Surr)	*212*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 05:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			05/28/26 11:50	1

Client Sample ID: CS-76 (0.5')

Lab Sample ID: 880-72727-2
Matrix: Solid
Date Collected: 05/26/26 09:22
Date Received: 05/26/26 15:45

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		05/27/26 15:16	05/28/26 00:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/27/26 15:16	05/28/26 00:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/27/26 15:16	05/28/26 00:14	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/27/26 15:16	05/28/26 00:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/27/26 15:16	05/28/26 00:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/27/26 15:16	05/28/26 00:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/27/26 15:16*	*05/28/26 00:14*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*05/27/26 15:16*	*05/28/26 00:14*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Client Sample ID: CS-76 (0.5')

Lab Sample ID: 880-72727-2
Matrix: Solid
Date Collected: 05/26/26 09:22
Date Received: 05/26/26 15:45

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			05/28/26 00:14	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			05/28/26 05:49	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	<50.0	U	50.0		mg/Kg		05/26/26 18:14	05/28/26 05:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		05/26/26 18:14	05/28/26 05:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/26 18:14	05/28/26 05:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*184*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 05:49*	*1*
o-Terphenyl (Surr)	*192*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 05:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.6**		9.94		mg/Kg			05/28/26 12:36	1

Client Sample ID: CS-77 (0.5')

Lab Sample ID: 880-72727-3
Matrix: Solid
Date Collected: 05/26/26 09:24
Date Received: 05/26/26 15:45

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		05/27/26 15:16	05/28/26 00:34	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/27/26 15:16	05/28/26 00:34	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/27/26 15:16	05/28/26 00:34	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/27/26 15:16	05/28/26 00:34	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/27/26 15:16	05/28/26 00:34	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/27/26 15:16	05/28/26 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*05/27/26 15:16*	*05/28/26 00:34*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*05/27/26 15:16*	*05/28/26 00:34*	*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			05/28/26 00:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/28/26 06:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/26/26 18:14	05/28/26 06:08	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		05/26/26 18:14	05/28/26 06:08	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Client Sample ID: CS-77 (0.5')

Lab Sample ID: 880-72727-3
Matrix: Solid
Date Collected: 05/26/26 09:24
Date Received: 05/26/26 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/26/26 18:14	05/28/26 06:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*175*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 06:08*	*1*
o-Terphenyl (Surr)	*191*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 06:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.9**		9.98		mg/Kg			05/27/26 22:19	1

Client Sample ID: CS-78 (0.5')

Lab Sample ID: 880-72727-4
Matrix: Solid
Date Collected: 05/26/26 09:26
Date Received: 05/26/26 15:45

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		05/27/26 15:16	05/28/26 00:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/27/26 15:16	05/28/26 00:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/27/26 15:16	05/28/26 00:54	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/27/26 15:16	05/28/26 00:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/27/26 15:16	05/28/26 00:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/27/26 15:16	05/28/26 00:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*05/27/26 15:16*	*05/28/26 00:54*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*05/27/26 15:16*	*05/28/26 00:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/28/26 00:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/28/26 06:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/26/26 18:14	05/28/26 06:30	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		05/26/26 18:14	05/28/26 06:30	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/26/26 18:14	05/28/26 06:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*195*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 06:30*	*1*
o-Terphenyl (Surr)	*209*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 06:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.7**		10.1		mg/Kg			05/27/26 22:24	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Client Sample ID: CS-79 (0.5')

Lab Sample ID: 880-72727-5
Matrix: Solid
Date Collected: 05/26/26 09:28
Date Received: 05/26/26 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/28/26 01:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/28/26 01:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/28/26 01:15	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/27/26 15:16	05/28/26 01:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/28/26 01:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/27/26 15:16	05/28/26 01:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*05/27/26 15:16*	*05/28/26 01:15*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/27/26 15:16*	*05/28/26 01:15*	*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			05/28/26 01:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/28/26 06:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/26/26 18:14	05/28/26 06:48	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		05/26/26 18:14	05/28/26 06:48	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/26/26 18:14	05/28/26 06:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*181*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 06:48*	*1*
o-Terphenyl (Surr)	*178*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 06:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**188**		10.0		mg/Kg			05/27/26 22:29	1

Client Sample ID: CS-80 (0.5')

Lab Sample ID: 880-72727-6
Matrix: Solid
Date Collected: 05/26/26 09:30
Date Received: 05/26/26 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/28/26 01:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/28/26 01:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/28/26 01:35	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/27/26 15:16	05/28/26 01:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/28/26 01:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/27/26 15:16	05/28/26 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*05/27/26 15:16*	*05/28/26 01:35*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*05/27/26 15:16*	*05/28/26 01:35*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Client Sample ID: CS-80 (0.5')

Lab Sample ID: 880-72727-6
Matrix: Solid
Date Collected: 05/26/26 09:30
Date Received: 05/26/26 15:45

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			05/28/26 01:35	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			05/28/26 07:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/26/26 18:14	05/28/26 07:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		05/26/26 18:14	05/28/26 07:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/26 18:14	05/28/26 07:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*187*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 07:08*	*1*
o-Terphenyl (Surr)	*194*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 07:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**179**		10.0		mg/Kg			05/27/26 22:44	1

Client Sample ID: CS-81 (0.5')

Lab Sample ID: 880-72727-7
Matrix: Solid
Date Collected: 05/26/26 09:32
Date Received: 05/26/26 15:45

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		05/27/26 15:16	05/28/26 01:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/27/26 15:16	05/28/26 01:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/27/26 15:16	05/28/26 01:56	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/27/26 15:16	05/28/26 01:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/27/26 15:16	05/28/26 01:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/27/26 15:16	05/28/26 01:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*05/27/26 15:16*	*05/28/26 01:56*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/27/26 15:16*	*05/28/26 01:56*	*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			05/28/26 01:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/28/26 07:27	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		05/26/26 18:14	05/28/26 07:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		05/26/26 18:14	05/28/26 07:27	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Client Sample ID: CS-81 (0.5')

Lab Sample ID: 880-72727-7
Matrix: Solid
Date Collected: 05/26/26 09:32
Date Received: 05/26/26 15:45

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		05/26/26 18:14	05/28/26 07:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*194*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 07:27*	*1*
o-Terphenyl (Surr)	*188*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 07:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.9**		10.0		mg/Kg			05/27/26 22:49	1

Client Sample ID: CS-82 (0.5')

Lab Sample ID: 880-72727-8
Matrix: Solid
Date Collected: 05/26/26 09:34
Date Received: 05/26/26 15:45

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		05/27/26 15:16	05/28/26 02:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/27/26 15:16	05/28/26 02:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/27/26 15:16	05/28/26 02:16	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/27/26 15:16	05/28/26 02:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/27/26 15:16	05/28/26 02:16	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/27/26 15:16	05/28/26 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*05/27/26 15:16*	*05/28/26 02:16*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*05/27/26 15:16*	*05/28/26 02:16*	*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			05/28/26 02:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/28/26 07:46	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		05/26/26 18:14	05/28/26 07:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		05/26/26 18:14	05/28/26 07:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/26 18:14	05/28/26 07:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*198*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 07:46*	*1*
o-Terphenyl (Surr)	*206*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 07:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.3**		10.0		mg/Kg			05/27/26 22:54	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Client Sample ID: CS-83 (0.5')

Lab Sample ID: 880-72727-9
Matrix: Solid
Date Collected: 05/26/26 09:36
Date Received: 05/26/26 15:45

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		05/27/26 15:16	05/28/26 02:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/27/26 15:16	05/28/26 02:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/27/26 15:16	05/28/26 02:37	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/27/26 15:16	05/28/26 02:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/27/26 15:16	05/28/26 02:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/27/26 15:16	05/28/26 02:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*05/27/26 15:16*	*05/28/26 02:37*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*05/27/26 15:16*	*05/28/26 02:37*	*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			05/28/26 02:37	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			05/28/26 08:25	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		05/26/26 18:14	05/28/26 08:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		05/26/26 18:14	05/28/26 08:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/26/26 18:14	05/28/26 08:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*190*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 08:25*	*1*
o-Terphenyl (Surr)	*184*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 08:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.9**		10.1		mg/Kg			05/27/26 22:59	1

Client Sample ID: CS-84 (0.5')

Lab Sample ID: 880-72727-10
Matrix: Solid
Date Collected: 05/26/26 09:38
Date Received: 05/26/26 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/28/26 02:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/28/26 02:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/28/26 02:57	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/27/26 15:16	05/28/26 02:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/28/26 02:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/27/26 15:16	05/28/26 02:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*05/27/26 15:16*	*05/28/26 02:57*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*05/27/26 15:16*	*05/28/26 02:57*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Client Sample ID: CS-84 (0.5')

Lab Sample ID: 880-72727-10
Matrix: Solid
Date Collected: 05/26/26 09:38
Date Received: 05/26/26 15:45

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			05/28/26 02:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/28/26 08:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/26/26 18:14	05/28/26 08:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		05/26/26 18:14	05/28/26 08:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/26 18:14	05/28/26 08:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*131*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 08:44*	*1*
o-Terphenyl (Surr)	*145*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 08:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.4**		9.96		mg/Kg			05/27/26 23:04	1

Client Sample ID: CS-85 (0.5')

Lab Sample ID: 880-72727-11
Matrix: Solid
Date Collected: 05/26/26 09:40
Date Received: 05/26/26 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/28/26 04:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/28/26 04:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/28/26 04:48	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/27/26 15:16	05/28/26 04:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/28/26 04:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/27/26 15:16	05/28/26 04:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*05/27/26 15:16*	*05/28/26 04:48*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*05/27/26 15:16*	*05/28/26 04:48*	*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			05/28/26 04:48	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			05/28/26 09:03	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		05/26/26 18:14	05/28/26 09:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		05/26/26 18:14	05/28/26 09:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Client Sample ID: CS-85 (0.5')

Lab Sample ID: 880-72727-11
Date Collected: 05/26/26 09:40
Matrix: Solid
Date Received: 05/26/26 15:45

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		05/26/26 18:14	05/28/26 09:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*163*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 09:03*	*1*
o-Terphenyl (Surr)	*176*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 09:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			05/27/26 23:09	1

Client Sample ID: CS-86 (2.0')

Lab Sample ID: 880-72727-12
Date Collected: 05/26/26 10:43
Matrix: Solid
Date Received: 05/26/26 15:45

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		05/27/26 15:16	05/28/26 05:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/27/26 15:16	05/28/26 05:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/27/26 15:16	05/28/26 05:09	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/27/26 15:16	05/28/26 05:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/27/26 15:16	05/28/26 05:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/27/26 15:16	05/28/26 05:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*05/27/26 15:16*	*05/28/26 05:09*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/27/26 15:16*	*05/28/26 05:09*	*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			05/28/26 05:09	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			05/28/26 09:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/26/26 18:14	05/28/26 09:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		05/26/26 18:14	05/28/26 09:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/26 18:14	05/28/26 09:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*155*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 09:23*	*1*
o-Terphenyl (Surr)	*157*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 09:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			05/28/26 12:41	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Client Sample ID: CS-87 (2.0')

Lab Sample ID: 880-72727-13
Matrix: Solid
Date Collected: 05/26/26 10:45
Date Received: 05/26/26 15:45

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		05/27/26 15:16	05/28/26 05:29	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/27/26 15:16	05/28/26 05:29	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/27/26 15:16	05/28/26 05:29	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/27/26 15:16	05/28/26 05:29	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/27/26 15:16	05/28/26 05:29	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/27/26 15:16	05/28/26 05:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*05/27/26 15:16*	*05/28/26 05:29*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*05/27/26 15:16*	*05/28/26 05:29*	*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			05/28/26 05:29	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			05/28/26 09:42	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		05/26/26 18:14	05/28/26 09:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		05/26/26 18:14	05/28/26 09:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/26 18:14	05/28/26 09:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*147*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 09:42*	*1*
o-Terphenyl (Surr)	*164*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 09:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**177**		9.90		mg/Kg			05/27/26 23:29	1

Client Sample ID: CS-88 (2.0')

Lab Sample ID: 880-72727-14
Matrix: Solid
Date Collected: 05/26/26 10:47
Date Received: 05/26/26 15:45

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		05/27/26 15:16	05/28/26 05:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/27/26 15:16	05/28/26 05:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/27/26 15:16	05/28/26 05:49	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/27/26 15:16	05/28/26 05:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/27/26 15:16	05/28/26 05:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/27/26 15:16	05/28/26 05:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/27/26 15:16*	*05/28/26 05:49*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*05/27/26 15:16*	*05/28/26 05:49*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Client Sample ID: CS-88 (2.0')

Lab Sample ID: 880-72727-14
Matrix: Solid
Date Collected: 05/26/26 10:47
Date Received: 05/26/26 15:45

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			05/28/26 05:49	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			05/28/26 10:01	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		05/26/26 18:14	05/28/26 10:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		05/26/26 18:14	05/28/26 10:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/26 18:14	05/28/26 10:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*174*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 10:01*	*1*
o-Terphenyl (Surr)	*186*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 10:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.2**		9.94		mg/Kg			05/27/26 23:44	1

Client Sample ID: CS-89 (2.0')

Lab Sample ID: 880-72727-15
Matrix: Solid
Date Collected: 05/26/26 10:49
Date Received: 05/26/26 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/28/26 06:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/28/26 06:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/28/26 06:10	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/27/26 15:16	05/28/26 06:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/28/26 06:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/27/26 15:16	05/28/26 06:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/27/26 15:16*	*05/28/26 06:10*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*05/27/26 15:16*	*05/28/26 06:10*	*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			05/28/26 06:10	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			05/28/26 10:21	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		05/26/26 18:14	05/28/26 10:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		05/26/26 18:14	05/28/26 10:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Client Sample ID: CS-89 (2.0')

Lab Sample ID: 880-72727-15
Matrix: Solid
Date Collected: 05/26/26 10:49
Date Received: 05/26/26 15:45

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		05/26/26 18:14	05/28/26 10:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*182*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 10:21*	*1*
o-Terphenyl (Surr)	*189*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 10:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.0**		9.94		mg/Kg			05/27/26 23:49	1

Client Sample ID: CS-90 (2.0')

Lab Sample ID: 880-72727-16
Matrix: Solid
Date Collected: 05/26/26 10:51
Date Received: 05/26/26 15:45

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		05/27/26 15:16	05/28/26 06:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/27/26 15:16	05/28/26 06:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/27/26 15:16	05/28/26 06:30	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/27/26 15:16	05/28/26 06:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/27/26 15:16	05/28/26 06:30	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/27/26 15:16	05/28/26 06:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/27/26 15:16*	*05/28/26 06:30*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*05/27/26 15:16*	*05/28/26 06:30*	*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			05/28/26 06:30	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			05/28/26 10:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/26/26 18:14	05/28/26 10:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		05/26/26 18:14	05/28/26 10:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/26 18:14	05/28/26 10:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*188*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 10:40*	*1*
o-Terphenyl (Surr)	*188*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 10:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**61.2**		10.1		mg/Kg			05/27/26 23:54	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Client Sample ID: CS-91 (2.0')

Lab Sample ID: 880-72727-17
Matrix: Solid
Date Collected: 05/26/26 10:53
Date Received: 05/26/26 15:45

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		05/27/26 15:16	05/28/26 06:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/27/26 15:16	05/28/26 06:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/27/26 15:16	05/28/26 06:51	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/27/26 15:16	05/28/26 06:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/27/26 15:16	05/28/26 06:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/27/26 15:16	05/28/26 06:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*05/27/26 15:16*	*05/28/26 06:51*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*05/27/26 15:16*	*05/28/26 06:51*	*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			05/28/26 06:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/28/26 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/26/26 18:14	05/28/26 11:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		05/26/26 18:14	05/28/26 11:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/26 18:14	05/28/26 11:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*149*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 11:00*	*1*
o-Terphenyl (Surr)	*154*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 11:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.8**		10.0		mg/Kg			05/27/26 23:59	1

Client Sample ID: CS-92 (2.0')

Lab Sample ID: 880-72727-18
Matrix: Solid
Date Collected: 05/26/26 10:55
Date Received: 05/26/26 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/28/26 07:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/28/26 07:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/28/26 07:11	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/27/26 15:16	05/28/26 07:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/28/26 07:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/27/26 15:16	05/28/26 07:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/27/26 15:16*	*05/28/26 07:11*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*05/27/26 15:16*	*05/28/26 07:11*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Client Sample ID: CS-92 (2.0')

Lab Sample ID: 880-72727-18
Date Collected: 05/26/26 10:55
Matrix: Solid
Date Received: 05/26/26 15:45

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			05/28/26 07:11	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			05/28/26 11:19	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		05/26/26 18:14	05/28/26 11:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		05/26/26 18:14	05/28/26 11:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/26 18:14	05/28/26 11:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*176*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 11:19*	*1*
o-Terphenyl (Surr)	*179*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 11:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/28/26 00:04	1

Client Sample ID: CS-93 (2.0')

Lab Sample ID: 880-72727-19
Date Collected: 05/26/26 10:57
Matrix: Solid
Date Received: 05/26/26 15:45

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		05/27/26 15:16	05/28/26 07:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/27/26 15:16	05/28/26 07:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/27/26 15:16	05/28/26 07:32	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/27/26 15:16	05/28/26 07:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/27/26 15:16	05/28/26 07:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/27/26 15:16	05/28/26 07:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*	*05/27/26 15:16*	*05/28/26 07:32*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/27/26 15:16*	*05/28/26 07:32*	*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			05/28/26 07:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/28/26 04:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F1	50.1		mg/Kg		05/26/26 18:16	05/28/26 04:08	1
Diesel Range Organics (Over C10-C28)	<50.1	U F1	50.1		mg/Kg		05/26/26 18:16	05/28/26 04:08	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Client Sample ID: CS-93 (2.0')

Lab Sample ID: 880-72727-19
Matrix: Solid
Date Collected: 05/26/26 10:57
Date Received: 05/26/26 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/26/26 18:16	05/28/26 04:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*59*	*S1-*	*70 - 130*	*05/26/26 18:16*	*05/28/26 04:08*	*1*
o-Terphenyl (Surr)	*68*	*S1-*	*70 - 130*	*05/26/26 18:16*	*05/28/26 04:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.7**		9.98		mg/Kg			05/28/26 00:09	1

Client Sample ID: CS-94 (2.0')

Lab Sample ID: 880-72727-20
Matrix: Solid
Date Collected: 05/26/26 10:59
Date Received: 05/26/26 15:45

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		05/27/26 15:16	05/28/26 07:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/27/26 15:16	05/28/26 07:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/27/26 15:16	05/28/26 07:52	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/27/26 15:16	05/28/26 07:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/27/26 15:16	05/28/26 07:52	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/27/26 15:16	05/28/26 07:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*05/27/26 15:16*	*05/28/26 07:52*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/27/26 15:16*	*05/28/26 07:52*	*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			05/28/26 07:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			05/28/26 05:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		05/26/26 18:16	05/28/26 05:09	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		05/26/26 18:16	05/28/26 05:09	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		05/26/26 18:16	05/28/26 05:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*62*	*S1-*	*70 - 130*	*05/26/26 18:16*	*05/28/26 05:09*	*1*
o-Terphenyl (Surr)	*71*		*70 - 130*	*05/26/26 18:16*	*05/28/26 05:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.0**		10.0		mg/Kg			05/28/26 00:14	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Client Sample ID: CS-95 (2.0')

Date Collected: 05/26/26 11:01
Date Received: 05/26/26 15:45

Lab Sample ID: 880-72727-21
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		05/27/26 15:00	05/27/26 18:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:00	05/27/26 18:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:00	05/27/26 18:15	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/27/26 15:00	05/27/26 18:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:00	05/27/26 18:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/27/26 15:00	05/27/26 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*05/27/26 15:00*	*05/27/26 18:15*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*05/27/26 15:00*	*05/27/26 18:15*	*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			05/27/26 18:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			05/28/26 05:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		05/26/26 18:16	05/28/26 05:28	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		05/26/26 18:16	05/28/26 05:28	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		05/26/26 18:16	05/28/26 05:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*29*	*S1-*	*70 - 130*	*05/26/26 18:16*	*05/28/26 05:28*	*1*
o-Terphenyl (Surr)	*31*	*S1-*	*70 - 130*	*05/26/26 18:16*	*05/28/26 05:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**95.2**	**F1**	9.98		mg/Kg			05/27/26 19:04	1

Client Sample ID: CS-96 (2.0')

Date Collected: 05/26/26 11:03
Date Received: 05/26/26 15:45

Lab Sample ID: 880-72727-22
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/27/26 15:00	05/27/26 18:36	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/27/26 15:00	05/27/26 18:36	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/27/26 15:00	05/27/26 18:36	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		05/27/26 15:00	05/27/26 18:36	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/27/26 15:00	05/27/26 18:36	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/27/26 15:00	05/27/26 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*05/27/26 15:00*	*05/27/26 18:36*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/27/26 15:00*	*05/27/26 18:36*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Client Sample ID: CS-96 (2.0')

Date Collected: 05/26/26 11:03
Date Received: 05/26/26 15:45

Lab Sample ID: 880-72727-22
Matrix: Solid

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			05/27/26 18:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			05/28/26 05:49	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	<50.4	U	50.4		mg/Kg		05/26/26 18:16	05/28/26 05:49	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		05/26/26 18:16	05/28/26 05:49	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		05/26/26 18:16	05/28/26 05:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*37*	*S1-*	*70 - 130*	*05/26/26 18:16*	*05/28/26 05:49*	*1*
o-Terphenyl (Surr)	*43*	*S1-*	*70 - 130*	*05/26/26 18:16*	*05/28/26 05:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**126**		9.94		mg/Kg			05/27/26 19:19	1

Client Sample ID: CS-97 (2.0')

Date Collected: 05/26/26 11:05
Date Received: 05/26/26 15:45

Lab Sample ID: 880-72727-23
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		05/27/26 15:00	05/27/26 18:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:00	05/27/26 18:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:00	05/27/26 18:56	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/27/26 15:00	05/27/26 18:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:00	05/27/26 18:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/27/26 15:00	05/27/26 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*05/27/26 15:00*	*05/27/26 18:56*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*05/27/26 15:00*	*05/27/26 18:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/27/26 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/28/26 06:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/26/26 18:16	05/28/26 06:08	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/26/26 18:16	05/28/26 06:08	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Client Sample ID: CS-97 (2.0')

Date Collected: 05/26/26 11:05
Date Received: 05/26/26 15:45

Lab Sample ID: 880-72727-23

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/26/26 18:16	05/28/26 06:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*36*	*S1-*	*70 - 130*	*05/26/26 18:16*	*05/28/26 06:08*	*1*
o-Terphenyl (Surr)	*39*	*S1-*	*70 - 130*	*05/26/26 18:16*	*05/28/26 06:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.5**		9.98		mg/Kg			05/27/26 19:24	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
880-72727-1	CS-75 (0.5')	91	80
880-72727-1 MS	CS-75 (0.5')	110	96
880-72727-1 MSD	CS-75 (0.5')	107	95
880-72727-2	CS-76 (0.5')	111	86
880-72727-3	CS-77 (0.5')	122	88
880-72727-4	CS-78 (0.5')	125	86
880-72727-5	CS-79 (0.5')	126	93
880-72727-6	CS-80 (0.5')	117	86
880-72727-7	CS-81 (0.5')	128	92
880-72727-8	CS-82 (0.5')	116	85
880-72727-9	CS-83 (0.5')	119	85
880-72727-10	CS-84 (0.5')	124	87
880-72727-11	CS-85 (0.5')	105	87
880-72727-12	CS-86 (2.0')	134 S1+	95
880-72727-13	CS-87 (2.0')	119	89
880-72727-14	CS-88 (2.0')	110	83
880-72727-15	CS-89 (2.0')	109	82
880-72727-16	CS-90 (2.0')	113	81
880-72727-17	CS-91 (2.0')	127	85
880-72727-18	CS-92 (2.0')	113	80
880-72727-19	CS-93 (2.0')	146 S1+	93
880-72727-20	CS-94 (2.0')	139 S1+	96
880-72727-21	CS-95 (2.0')	127	116
880-72727-22	CS-96 (2.0')	115	103
880-72727-23	CS-97 (2.0')	133 S1+	114
890-9983-A-25-C MS	Matrix Spike	119	105
890-9983-A-25-D MSD	Matrix Spike Duplicate	121	104
LCS 880-141820/1-A	Lab Control Sample	103	104
LCS 880-141868/1-A	Lab Control Sample	107	98
LCSD 880-141820/2-A	Lab Control Sample Dup	92	96
LCSD 880-141868/2-A	Lab Control Sample Dup	108	96
MB 880-141820/5-A	Method Blank	119	105
MB 880-141822/5-A	Method Blank	274 S1+	120
MB 880-141868/5-A	Method Blank	259 S1+	115

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**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
880-72727-1	CS-75 (0.5')	186 S1+	212 S1+
880-72727-2	CS-76 (0.5')	184 S1+	192 S1+
880-72727-3	CS-77 (0.5')	175 S1+	191 S1+
880-72727-4	CS-78 (0.5')	195 S1+	209 S1+
880-72727-5	CS-79 (0.5')	181 S1+	178 S1+

Surrogate Summary

Client: Carmona Resources
Job ID: 880-72727-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County, New Mexico

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-72727-6	CS-80 (0.5')	187 S1+	194 S1+										
880-72727-7	CS-81 (0.5')	194 S1+	188 S1+										
880-72727-8	CS-82 (0.5')	198 S1+	206 S1+										
880-72727-9	CS-83 (0.5')	190 S1+	184 S1+										
880-72727-10	CS-84 (0.5')	131 S1+	145 S1+										
880-72727-11	CS-85 (0.5')	163 S1+	176 S1+										
880-72727-12	CS-86 (2.0')	155 S1+	157 S1+										
880-72727-13	CS-87 (2.0')	147 S1+	164 S1+										
880-72727-14	CS-88 (2.0')	174 S1+	186 S1+										
880-72727-15	CS-89 (2.0')	182 S1+	189 S1+										
880-72727-16	CS-90 (2.0')	188 S1+	188 S1+										
880-72727-17	CS-91 (2.0')	149 S1+	154 S1+										
880-72727-18	CS-92 (2.0')	176 S1+	179 S1+										
880-72727-19	CS-93 (2.0')	59 S1-	68 S1-										
880-72727-19 MS	CS-93 (2.0')	55 S1-	56 S1-										
880-72727-19 MSD	CS-93 (2.0')	50 S1-	49 S1-										
880-72727-20	CS-94 (2.0')	62 S1-	71										
880-72727-21	CS-95 (2.0')	29 S1-	31 S1-										
880-72727-22	CS-96 (2.0')	37 S1-	43 S1-										
880-72727-23	CS-97 (2.0')	36 S1-	39 S1-										
890-9989-A-3-B MS	Matrix Spike	193 S1+	188 S1+										
890-9989-A-3-C MSD	Matrix Spike Duplicate	205 S1+	195 S1+										
LCS 880-141784/2-A	Lab Control Sample	164 S1+	146 S1+										
LCS 880-141785/2-A	Lab Control Sample	85	82										
LCSD 880-141784/3-A	Lab Control Sample Dup	142 S1+	127										
LCSD 880-141785/3-A	Lab Control Sample Dup	71	65 S1-										
MB 880-141784/1-A	Method Blank	215 S1+	396 S1+										
MB 880-141785/1-A	Method Blank	95	104										

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-141820/5-A
Matrix: Solid
Analysis Batch: 141796

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141820

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/27/26 09:43	05/27/26 10:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/27/26 09:43	05/27/26 10:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/27/26 09:43	05/27/26 10:49	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/27/26 09:43	05/27/26 10:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/27/26 09:43	05/27/26 10:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/27/26 09:43	05/27/26 10:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*05/27/26 09:43*	*05/27/26 10:49*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/27/26 09:43*	*05/27/26 10:49*	*1*

Lab Sample ID: LCS 880-141820/1-A
Matrix: Solid
Analysis Batch: 141796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141820

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09754		mg/Kg		98	70 - 130
Toluene	0.100	0.09636		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.07959		mg/Kg		80	70 - 130
m,p-Xylenes	0.200	0.1829		mg/Kg		91	70 - 130
o-Xylene	0.100	0.09886		mg/Kg		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 880-141820/2-A
Matrix: Solid
Analysis Batch: 141796

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141820

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09264		mg/Kg		93	70 - 130	5	35
Toluene	0.100	0.08868		mg/Kg		89	70 - 130	8	35
Ethylbenzene	0.100	0.08162		mg/Kg		82	70 - 130	3	35
m,p-Xylenes	0.200	0.1775		mg/Kg		89	70 - 130	3	35
o-Xylene	0.100	0.09266		mg/Kg		93	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-9983-A-25-C MS
Matrix: Solid
Analysis Batch: 141796

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 141820

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.07720		mg/Kg		77	70 - 130
Toluene	<0.00200	U	0.100	0.07670		mg/Kg		77	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 890-9983-A-25-C MS
Matrix: Solid
Analysis Batch: 141796

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 141820

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F1	0.100	0.08134		mg/Kg		81	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1761		mg/Kg		88	70 - 130
o-Xylene	<0.00200	U	0.100	0.09796		mg/Kg		98	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 890-9983-A-25-D MSD
Matrix: Solid
Analysis Batch: 141796

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 141820

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	0.09131		mg/Kg		91	70 - 130	17	35
Toluene	<0.00200	U	0.100	0.08821		mg/Kg		88	70 - 130	14	35
Ethylbenzene	<0.00200	U F1	0.100	0.06671	F1	mg/Kg		67	70 - 130	20	35
m,p-Xylenes	<0.00399	U	0.200	0.1733		mg/Kg		87	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.1220		mg/Kg		122	70 - 130	22	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: MB 880-141822/5-A
Matrix: Solid
Analysis Batch: 141795

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141822

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/27/26 09:43	05/27/26 11:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/27/26 09:43	05/27/26 11:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/27/26 09:43	05/27/26 11:45	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/27/26 09:43	05/27/26 11:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/27/26 09:43	05/27/26 11:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/27/26 09:43	05/27/26 11:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*274*	*S1+*	*70 - 130*	*05/27/26 09:43*	*05/27/26 11:45*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*05/27/26 09:43*	*05/27/26 11:45*	*1*

Lab Sample ID: MB 880-141868/5-A
Matrix: Solid
Analysis Batch: 141795

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141868

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/27/26 23:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/27/26 23:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/27/26 23:24	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/27/26 15:16	05/27/26 23:24	1

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-141868/5-A
Matrix: Solid
Analysis Batch: 141795

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141868

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:16	05/27/26 23:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/27/26 15:16	05/27/26 23:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*259*	*S1+*	*70 - 130*	*05/27/26 15:16*	*05/27/26 23:24*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*05/27/26 15:16*	*05/27/26 23:24*	*1*

Lab Sample ID: LCS 880-141868/1-A
Matrix: Solid
Analysis Batch: 141795

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141868

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1006		mg/Kg		101	70 - 130		
Toluene			0.100	0.08840		mg/Kg		88	70 - 130		
Ethylbenzene			0.100	0.1021		mg/Kg		102	70 - 130		
m,p-Xylenes			0.200	0.2000		mg/Kg		100	70 - 130		
o-Xylene			0.100	0.1164		mg/Kg		116	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-141868/2-A
Matrix: Solid
Analysis Batch: 141795

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141868

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09531		mg/Kg		95	70 - 130	5	35
Toluene			0.100	0.08879		mg/Kg		89	70 - 130	0	35
Ethylbenzene			0.100	0.09933		mg/Kg		99	70 - 130	3	35
m,p-Xylenes			0.200	0.1927		mg/Kg		96	70 - 130	4	35
o-Xylene			0.100	0.1127		mg/Kg		113	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 880-72727-1 MS
Matrix: Solid
Analysis Batch: 141795

Client Sample ID: CS-75 (0.5')
Prep Type: Total/NA
Prep Batch: 141868

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.08549		mg/Kg		85	70 - 130		
Toluene	<0.00200	U	0.100	0.07455		mg/Kg		75	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.08826		mg/Kg		88	70 - 130		
m,p-Xylenes	<0.00399	U	0.200	0.1812		mg/Kg		91	70 - 130		
o-Xylene	<0.00200	U	0.100	0.1054		mg/Kg		105	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-72727-1 MS
Matrix: Solid
Analysis Batch: 141795

Client Sample ID: CS-75 (0.5')
Prep Type: Total/NA
Prep Batch: 141868

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 880-72727-1 MSD
Matrix: Solid
Analysis Batch: 141795

Client Sample ID: CS-75 (0.5')
Prep Type: Total/NA
Prep Batch: 141868

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	0.08267		mg/Kg		83	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.07864		mg/Kg		79	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.100	0.09454		mg/Kg		95	70 - 130	7	35
m,p-Xylenes	<0.00399	U	0.200	0.1758		mg/Kg		88	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.1013		mg/Kg		101	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

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

Lab Sample ID: MB 880-141784/1-A
Matrix: Solid
Analysis Batch: 141873

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141784

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		05/26/26 18:14	05/28/26 03:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/26 18:14	05/28/26 03:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/26 18:14	05/28/26 03:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	*215*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 03:09*	*1*
o-Terphenyl (Surr)	*396*	*S1+*	*70 - 130*	*05/26/26 18:14*	*05/28/26 03:09*	*1*

Lab Sample ID: LCS 880-141784/2-A
Matrix: Solid
Analysis Batch: 141873

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141784

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1074		mg/Kg		107	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1291		mg/Kg		129	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	*164*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*146*	*S1+*	*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-141784/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141873 — **Prep Batch: 141784**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	906.0		mg/Kg		91	70 - 130	17	20
Diesel Range Organics (Over C10-C28)			1000	1047	*1	mg/Kg		105	70 - 130	21	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*142*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*127*		*70 - 130*

Lab Sample ID: 890-9989-A-3-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141873 — **Prep Batch: 141784**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1000	1172		mg/Kg		117	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U F1 *1	1000	1425	F1	mg/Kg		139	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*193*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*188*	*S1+*	*70 - 130*

Lab Sample ID: 890-9989-A-3-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141873 — **Prep Batch: 141784**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1000	1245		mg/Kg		124	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.1	U F1 *1	1000	1461	F1	mg/Kg		143	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*205*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*195*	*S1+*	*70 - 130*

Lab Sample ID: MB 880-141785/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141871 — **Prep Batch: 141785**

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		05/26/26 18:16	05/28/26 03:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/26 18:16	05/28/26 03:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/26 18:16	05/28/26 03:09	1

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-141785/1-A
Matrix: Solid
Analysis Batch: 141871

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141785

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130	05/26/26 18:16	05/28/26 03:09	1
o-Terphenyl (Surr)	104		70 - 130	05/26/26 18:16	05/28/26 03:09	1

Lab Sample ID: LCS 880-141785/2-A
Matrix: Solid
Analysis Batch: 141871

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141785

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	980.1		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1284		mg/Kg		128	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	85		70 - 130
o-Terphenyl (Surr)	82		70 - 130

Lab Sample ID: LCSD 880-141785/3-A
Matrix: Solid
Analysis Batch: 141871

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141785

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1130		mg/Kg		113	70 - 130	14	20
Diesel Range Organics (Over C10-C28)			1000	1271		mg/Kg		127	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	71		70 - 130
o-Terphenyl (Surr)	65	S1-	70 - 130

Lab Sample ID: 880-72727-19 MS
Matrix: Solid
Analysis Batch: 141871

Client Sample ID: CS-93 (2.0')
Prep Type: Total/NA
Prep Batch: 141785

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F1	1010	426.9	F1	mg/Kg		42	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.1	U F1	1010	400.4	F1	mg/Kg		40	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	55	S1-	70 - 130
o-Terphenyl (Surr)	56	S1-	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-72727-19 MSD — **Client Sample ID: CS-93 (2.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141871 — **Prep Batch: 141785**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F1	1010	405.3	F1	mg/Kg		40	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.1	U F1	1010	357.4	F1	mg/Kg		36	70 - 130	11	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*50*	*S1-*	*70 - 130*
o-Terphenyl (Surr)	*49*	*S1-*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-141787/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141817

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/27/26 18:49	1

Lab Sample ID: LCS 880-141787/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141817

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	236.3		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-141787/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141817

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	262.1		mg/Kg		105	90 - 110	10	20

Lab Sample ID: 880-72727-21 MS — **Client Sample ID: CS-95 (2.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141817

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	95.2	F1	250	300.8	F1	mg/Kg		82	90 - 110

Lab Sample ID: 880-72727-21 MSD — **Client Sample ID: CS-95 (2.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141817

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	95.2	F1	250	327.5		mg/Kg		93	90 - 110	9	20

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-141788/1-A
Matrix: Solid
Analysis Batch: 141828

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			05/27/26 21:44	1

Lab Sample ID: LCS 880-141788/2-A
Matrix: Solid
Analysis Batch: 141828

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	237.1		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-141788/3-A
Matrix: Solid
Analysis Batch: 141828

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	263.2		mg/Kg		105	90 - 110	10	20

Lab Sample ID: 880-72727-1 MS
Matrix: Solid
Analysis Batch: 141828

Client Sample ID: CS-75 (0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<9.98	U	250	251.8		mg/Kg		98	90 - 110		

Lab Sample ID: 880-72727-1 MS
Matrix: Solid
Analysis Batch: 141828

Client Sample ID: CS-75 (0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<9.98	U	250	246.1		mg/Kg		96	90 - 110		

Lab Sample ID: 880-72727-1 MSD
Matrix: Solid
Analysis Batch: 141828

Client Sample ID: CS-75 (0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	34.5		250	277.7		mg/Kg		97	90 - 110	10	20

Lab Sample ID: 880-72727-1 MSD
Matrix: Solid
Analysis Batch: 141828

Client Sample ID: CS-75 (0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<9.98	U	250	255.3		mg/Kg		99	90 - 110	4	20

Lab Sample ID: 880-72727-11 MS
Matrix: Solid
Analysis Batch: 141828

Client Sample ID: CS-85 (0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<9.98	U	250	252.9		mg/Kg		98	90 - 110		

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-72727-11 MSD
Matrix: Solid
Analysis Batch: 141828

Client Sample ID: CS-85 (0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<9.98	U	250	277.2		mg/Kg		108	90 - 110	9	20

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 141795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72727-1	CS-75 (0.5')	Total/NA	Solid	8021B	141868
880-72727-2	CS-76 (0.5')	Total/NA	Solid	8021B	141868
880-72727-3	CS-77 (0.5')	Total/NA	Solid	8021B	141868
880-72727-4	CS-78 (0.5')	Total/NA	Solid	8021B	141868
880-72727-5	CS-79 (0.5')	Total/NA	Solid	8021B	141868
880-72727-6	CS-80 (0.5')	Total/NA	Solid	8021B	141868
880-72727-7	CS-81 (0.5')	Total/NA	Solid	8021B	141868
880-72727-8	CS-82 (0.5')	Total/NA	Solid	8021B	141868
880-72727-9	CS-83 (0.5')	Total/NA	Solid	8021B	141868
880-72727-10	CS-84 (0.5')	Total/NA	Solid	8021B	141868
880-72727-11	CS-85 (0.5')	Total/NA	Solid	8021B	141868
880-72727-12	CS-86 (2.0')	Total/NA	Solid	8021B	141868
880-72727-13	CS-87 (2.0')	Total/NA	Solid	8021B	141868
880-72727-14	CS-88 (2.0')	Total/NA	Solid	8021B	141868
880-72727-15	CS-89 (2.0')	Total/NA	Solid	8021B	141868
880-72727-16	CS-90 (2.0')	Total/NA	Solid	8021B	141868
880-72727-17	CS-91 (2.0')	Total/NA	Solid	8021B	141868
880-72727-18	CS-92 (2.0')	Total/NA	Solid	8021B	141868
880-72727-19	CS-93 (2.0')	Total/NA	Solid	8021B	141868
880-72727-20	CS-94 (2.0')	Total/NA	Solid	8021B	141868
MB 880-141822/5-A	Method Blank	Total/NA	Solid	8021B	141822
MB 880-141868/5-A	Method Blank	Total/NA	Solid	8021B	141868
LCS 880-141868/1-A	Lab Control Sample	Total/NA	Solid	8021B	141868
LCSD 880-141868/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	141868
880-72727-1 MS	CS-75 (0.5')	Total/NA	Solid	8021B	141868
880-72727-1 MSD	CS-75 (0.5')	Total/NA	Solid	8021B	141868

Analysis Batch: 141796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72727-21	CS-95 (2.0')	Total/NA	Solid	8021B	141820
880-72727-22	CS-96 (2.0')	Total/NA	Solid	8021B	141820
880-72727-23	CS-97 (2.0')	Total/NA	Solid	8021B	141820
MB 880-141820/5-A	Method Blank	Total/NA	Solid	8021B	141820
LCS 880-141820/1-A	Lab Control Sample	Total/NA	Solid	8021B	141820
LCSD 880-141820/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	141820
890-9983-A-25-C MS	Matrix Spike	Total/NA	Solid	8021B	141820
890-9983-A-25-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	141820

Prep Batch: 141820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72727-21	CS-95 (2.0')	Total/NA	Solid	5035	
880-72727-22	CS-96 (2.0')	Total/NA	Solid	5035	
880-72727-23	CS-97 (2.0')	Total/NA	Solid	5035	
MB 880-141820/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-141820/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-141820/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9983-A-25-C MS	Matrix Spike	Total/NA	Solid	5035	
890-9983-A-25-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 141822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-141822/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 141868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72727-1	CS-75 (0.5')	Total/NA	Solid	5035	
880-72727-2	CS-76 (0.5')	Total/NA	Solid	5035	
880-72727-3	CS-77 (0.5')	Total/NA	Solid	5035	
880-72727-4	CS-78 (0.5')	Total/NA	Solid	5035	
880-72727-5	CS-79 (0.5')	Total/NA	Solid	5035	
880-72727-6	CS-80 (0.5')	Total/NA	Solid	5035	
880-72727-7	CS-81 (0.5')	Total/NA	Solid	5035	
880-72727-8	CS-82 (0.5')	Total/NA	Solid	5035	
880-72727-9	CS-83 (0.5')	Total/NA	Solid	5035	
880-72727-10	CS-84 (0.5')	Total/NA	Solid	5035	
880-72727-11	CS-85 (0.5')	Total/NA	Solid	5035	
880-72727-12	CS-86 (2.0')	Total/NA	Solid	5035	
880-72727-13	CS-87 (2.0')	Total/NA	Solid	5035	
880-72727-14	CS-88 (2.0')	Total/NA	Solid	5035	
880-72727-15	CS-89 (2.0')	Total/NA	Solid	5035	
880-72727-16	CS-90 (2.0')	Total/NA	Solid	5035	
880-72727-17	CS-91 (2.0')	Total/NA	Solid	5035	
880-72727-18	CS-92 (2.0')	Total/NA	Solid	5035	
880-72727-19	CS-93 (2.0')	Total/NA	Solid	5035	
880-72727-20	CS-94 (2.0')	Total/NA	Solid	5035	
MB 880-141868/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-141868/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-141868/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-72727-1 MS	CS-75 (0.5')	Total/NA	Solid	5035	
880-72727-1 MSD	CS-75 (0.5')	Total/NA	Solid	5035	

Analysis Batch: 141948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72727-1	CS-75 (0.5')	Total/NA	Solid	Total BTEX	
880-72727-2	CS-76 (0.5')	Total/NA	Solid	Total BTEX	
880-72727-3	CS-77 (0.5')	Total/NA	Solid	Total BTEX	
880-72727-4	CS-78 (0.5')	Total/NA	Solid	Total BTEX	
880-72727-5	CS-79 (0.5')	Total/NA	Solid	Total BTEX	
880-72727-6	CS-80 (0.5')	Total/NA	Solid	Total BTEX	
880-72727-7	CS-81 (0.5')	Total/NA	Solid	Total BTEX	
880-72727-8	CS-82 (0.5')	Total/NA	Solid	Total BTEX	
880-72727-9	CS-83 (0.5')	Total/NA	Solid	Total BTEX	
880-72727-10	CS-84 (0.5')	Total/NA	Solid	Total BTEX	
880-72727-11	CS-85 (0.5')	Total/NA	Solid	Total BTEX	
880-72727-12	CS-86 (2.0')	Total/NA	Solid	Total BTEX	
880-72727-13	CS-87 (2.0')	Total/NA	Solid	Total BTEX	
880-72727-14	CS-88 (2.0')	Total/NA	Solid	Total BTEX	
880-72727-15	CS-89 (2.0')	Total/NA	Solid	Total BTEX	
880-72727-16	CS-90 (2.0')	Total/NA	Solid	Total BTEX	
880-72727-17	CS-91 (2.0')	Total/NA	Solid	Total BTEX	
880-72727-18	CS-92 (2.0')	Total/NA	Solid	Total BTEX	
880-72727-19	CS-93 (2.0')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 141948 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72727-20	CS-94 (2.0')	Total/NA	Solid	Total BTEX	
880-72727-21	CS-95 (2.0')	Total/NA	Solid	Total BTEX	
880-72727-22	CS-96 (2.0')	Total/NA	Solid	Total BTEX	
880-72727-23	CS-97 (2.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 141784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72727-1	CS-75 (0.5')	Total/NA	Solid	8015NM Prep	
880-72727-2	CS-76 (0.5')	Total/NA	Solid	8015NM Prep	
880-72727-3	CS-77 (0.5')	Total/NA	Solid	8015NM Prep	
880-72727-4	CS-78 (0.5')	Total/NA	Solid	8015NM Prep	
880-72727-5	CS-79 (0.5')	Total/NA	Solid	8015NM Prep	
880-72727-6	CS-80 (0.5')	Total/NA	Solid	8015NM Prep	
880-72727-7	CS-81 (0.5')	Total/NA	Solid	8015NM Prep	
880-72727-8	CS-82 (0.5')	Total/NA	Solid	8015NM Prep	
880-72727-9	CS-83 (0.5')	Total/NA	Solid	8015NM Prep	
880-72727-10	CS-84 (0.5')	Total/NA	Solid	8015NM Prep	
880-72727-11	CS-85 (0.5')	Total/NA	Solid	8015NM Prep	
880-72727-12	CS-86 (2.0')	Total/NA	Solid	8015NM Prep	
880-72727-13	CS-87 (2.0')	Total/NA	Solid	8015NM Prep	
880-72727-14	CS-88 (2.0')	Total/NA	Solid	8015NM Prep	
880-72727-15	CS-89 (2.0')	Total/NA	Solid	8015NM Prep	
880-72727-16	CS-90 (2.0')	Total/NA	Solid	8015NM Prep	
880-72727-17	CS-91 (2.0')	Total/NA	Solid	8015NM Prep	
880-72727-18	CS-92 (2.0')	Total/NA	Solid	8015NM Prep	
MB 880-141784/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-141784/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-141784/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9989-A-3-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-9989-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 141785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72727-19	CS-93 (2.0')	Total/NA	Solid	8015NM Prep	
880-72727-20	CS-94 (2.0')	Total/NA	Solid	8015NM Prep	
880-72727-21	CS-95 (2.0')	Total/NA	Solid	8015NM Prep	
880-72727-22	CS-96 (2.0')	Total/NA	Solid	8015NM Prep	
880-72727-23	CS-97 (2.0')	Total/NA	Solid	8015NM Prep	
MB 880-141785/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-141785/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-141785/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-72727-19 MS	CS-93 (2.0')	Total/NA	Solid	8015NM Prep	
880-72727-19 MSD	CS-93 (2.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 141871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72727-19	CS-93 (2.0')	Total/NA	Solid	8015B NM	141785
880-72727-20	CS-94 (2.0')	Total/NA	Solid	8015B NM	141785
880-72727-21	CS-95 (2.0')	Total/NA	Solid	8015B NM	141785

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 141871 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72727-22	CS-96 (2.0')	Total/NA	Solid	8015B NM	141785
880-72727-23	CS-97 (2.0')	Total/NA	Solid	8015B NM	141785
MB 880-141785/1-A	Method Blank	Total/NA	Solid	8015B NM	141785
LCS 880-141785/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	141785
LCSD 880-141785/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	141785
880-72727-19 MS	CS-93 (2.0')	Total/NA	Solid	8015B NM	141785
880-72727-19 MSD	CS-93 (2.0')	Total/NA	Solid	8015B NM	141785

Analysis Batch: 141873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72727-1	CS-75 (0.5')	Total/NA	Solid	8015B NM	141784
880-72727-2	CS-76 (0.5')	Total/NA	Solid	8015B NM	141784
880-72727-3	CS-77 (0.5')	Total/NA	Solid	8015B NM	141784
880-72727-4	CS-78 (0.5')	Total/NA	Solid	8015B NM	141784
880-72727-5	CS-79 (0.5')	Total/NA	Solid	8015B NM	141784
880-72727-6	CS-80 (0.5')	Total/NA	Solid	8015B NM	141784
880-72727-7	CS-81 (0.5')	Total/NA	Solid	8015B NM	141784
880-72727-8	CS-82 (0.5')	Total/NA	Solid	8015B NM	141784
880-72727-9	CS-83 (0.5')	Total/NA	Solid	8015B NM	141784
880-72727-10	CS-84 (0.5')	Total/NA	Solid	8015B NM	141784
880-72727-11	CS-85 (0.5')	Total/NA	Solid	8015B NM	141784
880-72727-12	CS-86 (2.0')	Total/NA	Solid	8015B NM	141784
880-72727-13	CS-87 (2.0')	Total/NA	Solid	8015B NM	141784
880-72727-14	CS-88 (2.0')	Total/NA	Solid	8015B NM	141784
880-72727-15	CS-89 (2.0')	Total/NA	Solid	8015B NM	141784
880-72727-16	CS-90 (2.0')	Total/NA	Solid	8015B NM	141784
880-72727-17	CS-91 (2.0')	Total/NA	Solid	8015B NM	141784
880-72727-18	CS-92 (2.0')	Total/NA	Solid	8015B NM	141784
MB 880-141784/1-A	Method Blank	Total/NA	Solid	8015B NM	141784
LCS 880-141784/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	141784
LCSD 880-141784/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	141784
890-9989-A-3-B MS	Matrix Spike	Total/NA	Solid	8015B NM	141784
890-9989-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	141784

Analysis Batch: 141966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72727-1	CS-75 (0.5')	Total/NA	Solid	8015 NM	
880-72727-2	CS-76 (0.5')	Total/NA	Solid	8015 NM	
880-72727-3	CS-77 (0.5')	Total/NA	Solid	8015 NM	
880-72727-4	CS-78 (0.5')	Total/NA	Solid	8015 NM	
880-72727-5	CS-79 (0.5')	Total/NA	Solid	8015 NM	
880-72727-6	CS-80 (0.5')	Total/NA	Solid	8015 NM	
880-72727-7	CS-81 (0.5')	Total/NA	Solid	8015 NM	
880-72727-8	CS-82 (0.5')	Total/NA	Solid	8015 NM	
880-72727-9	CS-83 (0.5')	Total/NA	Solid	8015 NM	
880-72727-10	CS-84 (0.5')	Total/NA	Solid	8015 NM	
880-72727-11	CS-85 (0.5')	Total/NA	Solid	8015 NM	
880-72727-12	CS-86 (2.0')	Total/NA	Solid	8015 NM	
880-72727-13	CS-87 (2.0')	Total/NA	Solid	8015 NM	
880-72727-14	CS-88 (2.0')	Total/NA	Solid	8015 NM	
880-72727-15	CS-89 (2.0')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 141966 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72727-16	CS-90 (2.0')	Total/NA	Solid	8015 NM	
880-72727-17	CS-91 (2.0')	Total/NA	Solid	8015 NM	
880-72727-18	CS-92 (2.0')	Total/NA	Solid	8015 NM	
880-72727-19	CS-93 (2.0')	Total/NA	Solid	8015 NM	
880-72727-20	CS-94 (2.0')	Total/NA	Solid	8015 NM	
880-72727-21	CS-95 (2.0')	Total/NA	Solid	8015 NM	
880-72727-22	CS-96 (2.0')	Total/NA	Solid	8015 NM	
880-72727-23	CS-97 (2.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 141787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72727-21	CS-95 (2.0')	Soluble	Solid	DI Leach	
880-72727-22	CS-96 (2.0')	Soluble	Solid	DI Leach	
880-72727-23	CS-97 (2.0')	Soluble	Solid	DI Leach	
MB 880-141787/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-141787/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-141787/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-72727-21 MS	CS-95 (2.0')	Soluble	Solid	DI Leach	
880-72727-21 MSD	CS-95 (2.0')	Soluble	Solid	DI Leach	

Leach Batch: 141788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72727-1	CS-75 (0.5')	Soluble	Solid	DI Leach	
880-72727-2	CS-76 (0.5')	Soluble	Solid	DI Leach	
880-72727-3	CS-77 (0.5')	Soluble	Solid	DI Leach	
880-72727-4	CS-78 (0.5')	Soluble	Solid	DI Leach	
880-72727-5	CS-79 (0.5')	Soluble	Solid	DI Leach	
880-72727-6	CS-80 (0.5')	Soluble	Solid	DI Leach	
880-72727-7	CS-81 (0.5')	Soluble	Solid	DI Leach	
880-72727-8	CS-82 (0.5')	Soluble	Solid	DI Leach	
880-72727-9	CS-83 (0.5')	Soluble	Solid	DI Leach	
880-72727-10	CS-84 (0.5')	Soluble	Solid	DI Leach	
880-72727-11	CS-85 (0.5')	Soluble	Solid	DI Leach	
880-72727-12	CS-86 (2.0')	Soluble	Solid	DI Leach	
880-72727-13	CS-87 (2.0')	Soluble	Solid	DI Leach	
880-72727-14	CS-88 (2.0')	Soluble	Solid	DI Leach	
880-72727-15	CS-89 (2.0')	Soluble	Solid	DI Leach	
880-72727-16	CS-90 (2.0')	Soluble	Solid	DI Leach	
880-72727-17	CS-91 (2.0')	Soluble	Solid	DI Leach	
880-72727-18	CS-92 (2.0')	Soluble	Solid	DI Leach	
880-72727-19	CS-93 (2.0')	Soluble	Solid	DI Leach	
880-72727-20	CS-94 (2.0')	Soluble	Solid	DI Leach	
MB 880-141788/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-141788/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-141788/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-72727-1 MS	CS-75 (0.5')	Soluble	Solid	DI Leach	
880-72727-1 MSD	CS-75 (0.5')	Soluble	Solid	DI Leach	
880-72727-11 MS	CS-85 (0.5')	Soluble	Solid	DI Leach	
880-72727-11 MSD	CS-85 (0.5')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

HPLC/IC

Analysis Batch: 141817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72727-21	CS-95 (2.0')	Soluble	Solid	300.0	141787
880-72727-22	CS-96 (2.0')	Soluble	Solid	300.0	141787
880-72727-23	CS-97 (2.0')	Soluble	Solid	300.0	141787
MB 880-141787/1-A	Method Blank	Soluble	Solid	300.0	141787
LCS 880-141787/2-A	Lab Control Sample	Soluble	Solid	300.0	141787
LCSD 880-141787/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	141787
880-72727-21 MS	CS-95 (2.0')	Soluble	Solid	300.0	141787
880-72727-21 MSD	CS-95 (2.0')	Soluble	Solid	300.0	141787

Analysis Batch: 141828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72727-1	CS-75 (0.5')	Soluble	Solid	300.0	141788
880-72727-2	CS-76 (0.5')	Soluble	Solid	300.0	141788
880-72727-3	CS-77 (0.5')	Soluble	Solid	300.0	141788
880-72727-4	CS-78 (0.5')	Soluble	Solid	300.0	141788
880-72727-5	CS-79 (0.5')	Soluble	Solid	300.0	141788
880-72727-6	CS-80 (0.5')	Soluble	Solid	300.0	141788
880-72727-7	CS-81 (0.5')	Soluble	Solid	300.0	141788
880-72727-8	CS-82 (0.5')	Soluble	Solid	300.0	141788
880-72727-9	CS-83 (0.5')	Soluble	Solid	300.0	141788
880-72727-10	CS-84 (0.5')	Soluble	Solid	300.0	141788
880-72727-11	CS-85 (0.5')	Soluble	Solid	300.0	141788
880-72727-12	CS-86 (2.0')	Soluble	Solid	300.0	141788
880-72727-13	CS-87 (2.0')	Soluble	Solid	300.0	141788
880-72727-14	CS-88 (2.0')	Soluble	Solid	300.0	141788
880-72727-15	CS-89 (2.0')	Soluble	Solid	300.0	141788
880-72727-16	CS-90 (2.0')	Soluble	Solid	300.0	141788
880-72727-17	CS-91 (2.0')	Soluble	Solid	300.0	141788
880-72727-18	CS-92 (2.0')	Soluble	Solid	300.0	141788
880-72727-19	CS-93 (2.0')	Soluble	Solid	300.0	141788
880-72727-20	CS-94 (2.0')	Soluble	Solid	300.0	141788
MB 880-141788/1-A	Method Blank	Soluble	Solid	300.0	141788
LCS 880-141788/2-A	Lab Control Sample	Soluble	Solid	300.0	141788
LCSD 880-141788/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	141788
880-72727-1 MS	CS-75 (0.5')	Soluble	Solid	300.0	141788
880-72727-1 MS	CS-75 (0.5')	Soluble	Solid	300.0	141788
880-72727-1 MSD	CS-75 (0.5')	Soluble	Solid	300.0	141788
880-72727-1 MSD	CS-75 (0.5')	Soluble	Solid	300.0	141788
880-72727-11 MS	CS-85 (0.5')	Soluble	Solid	300.0	141788
880-72727-11 MSD	CS-85 (0.5')	Soluble	Solid	300.0	141788

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Client Sample ID: CS-75 (0.5')

Lab Sample ID: 880-72727-1

Date Collected: 05/26/26 09:20
Matrix: Solid
Date Received: 05/26/26 15:45

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	141868	05/27/26 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141795	05/27/26 23:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141948	05/27/26 23:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			141966	05/28/26 05:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141784	05/26/26 18:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141873	05/28/26 05:28	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	141788	05/26/26 18:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141828	05/28/26 11:50	SMC	EET MID

Client Sample ID: CS-76 (0.5')

Lab Sample ID: 880-72727-2

Date Collected: 05/26/26 09:22
Matrix: Solid
Date Received: 05/26/26 15:45

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	141868	05/27/26 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141795	05/28/26 00:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141948	05/28/26 00:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			141966	05/28/26 05:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	141784	05/26/26 18:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141873	05/28/26 05:49	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	141788	05/26/26 18:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141828	05/28/26 12:36	SMC	EET MID

Client Sample ID: CS-77 (0.5')

Lab Sample ID: 880-72727-3

Date Collected: 05/26/26 09:24
Matrix: Solid
Date Received: 05/26/26 15:45

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	141868	05/27/26 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141795	05/28/26 00:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141948	05/28/26 00:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			141966	05/28/26 06:08	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141784	05/26/26 18:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141873	05/28/26 06:08	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	141788	05/26/26 18:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141828	05/27/26 22:19	SMC	EET MID

Client Sample ID: CS-78 (0.5')

Lab Sample ID: 880-72727-4

Date Collected: 05/26/26 09:26
Matrix: Solid
Date Received: 05/26/26 15:45

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	141868	05/27/26 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141795	05/28/26 00:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141948	05/28/26 00:54	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Client Sample ID: CS-78 (0.5')

Lab Sample ID: 880-72727-4
Matrix: Solid
Date Collected: 05/26/26 09:26
Date Received: 05/26/26 15:45

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			141966	05/28/26 06:30	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	141784	05/26/26 18:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141873	05/28/26 06:30	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	141788	05/26/26 18:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141828	05/27/26 22:24	SMC	EET MID

Client Sample ID: CS-79 (0.5')

Lab Sample ID: 880-72727-5
Matrix: Solid
Date Collected: 05/26/26 09:28
Date Received: 05/26/26 15:45

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	141868	05/27/26 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141795	05/28/26 01:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141948	05/28/26 01:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			141966	05/28/26 06:48	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141784	05/26/26 18:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141873	05/28/26 06:48	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	141788	05/26/26 18:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141828	05/27/26 22:29	SMC	EET MID

Client Sample ID: CS-80 (0.5')

Lab Sample ID: 880-72727-6
Matrix: Solid
Date Collected: 05/26/26 09:30
Date Received: 05/26/26 15:45

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	141868	05/27/26 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141795	05/28/26 01:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141948	05/28/26 01:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			141966	05/28/26 07:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141784	05/26/26 18:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141873	05/28/26 07:08	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	141788	05/26/26 18:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141828	05/27/26 22:44	SMC	EET MID

Client Sample ID: CS-81 (0.5')

Lab Sample ID: 880-72727-7
Matrix: Solid
Date Collected: 05/26/26 09:32
Date Received: 05/26/26 15:45

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	141868	05/27/26 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141795	05/28/26 01:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141948	05/28/26 01:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			141966	05/28/26 07:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141784	05/26/26 18:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141873	05/28/26 07:27	FC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Client Sample ID: CS-81 (0.5')

Lab Sample ID: 880-72727-7
Matrix: Solid
Date Collected: 05/26/26 09:32
Date Received: 05/26/26 15:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	141788	05/26/26 18:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141828	05/27/26 22:49	SMC	EET MID

Client Sample ID: CS-82 (0.5')

Lab Sample ID: 880-72727-8
Matrix: Solid
Date Collected: 05/26/26 09:34
Date Received: 05/26/26 15:45

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	141868	05/27/26 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141795	05/28/26 02:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141948	05/28/26 02:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			141966	05/28/26 07:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141784	05/26/26 18:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141873	05/28/26 07:46	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	141788	05/26/26 18:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141828	05/27/26 22:54	SMC	EET MID

Client Sample ID: CS-83 (0.5')

Lab Sample ID: 880-72727-9
Matrix: Solid
Date Collected: 05/26/26 09:36
Date Received: 05/26/26 15:45

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	141868	05/27/26 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141795	05/28/26 02:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141948	05/28/26 02:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			141966	05/28/26 08:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	141784	05/26/26 18:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141873	05/28/26 08:25	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	141788	05/26/26 18:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141828	05/27/26 22:59	SMC	EET MID

Client Sample ID: CS-84 (0.5')

Lab Sample ID: 880-72727-10
Matrix: Solid
Date Collected: 05/26/26 09:38
Date Received: 05/26/26 15:45

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	141868	05/27/26 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141795	05/28/26 02:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141948	05/28/26 02:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			141966	05/28/26 08:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141784	05/26/26 18:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141873	05/28/26 08:44	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	141788	05/26/26 18:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141828	05/27/26 23:04	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Client Sample ID: CS-85 (0.5')

Lab Sample ID: 880-72727-11

Date Collected: 05/26/26 09:40
Matrix: Solid
Date Received: 05/26/26 15:45

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	141868	05/27/26 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141795	05/28/26 04:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141948	05/28/26 04:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			141966	05/28/26 09:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	141784	05/26/26 18:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141873	05/28/26 09:03	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	141788	05/26/26 18:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141828	05/27/26 23:09	SMC	EET MID

Client Sample ID: CS-86 (2.0')

Lab Sample ID: 880-72727-12

Date Collected: 05/26/26 10:43
Matrix: Solid
Date Received: 05/26/26 15:45

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	141868	05/27/26 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141795	05/28/26 05:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141948	05/28/26 05:09	SA	EET MID
Total/NA	Analysis	8015 NM		1			141966	05/28/26 09:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141784	05/26/26 18:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141873	05/28/26 09:23	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	141788	05/26/26 18:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141828	05/28/26 12:41	SMC	EET MID

Client Sample ID: CS-87 (2.0')

Lab Sample ID: 880-72727-13

Date Collected: 05/26/26 10:45
Matrix: Solid
Date Received: 05/26/26 15:45

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	141868	05/27/26 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141795	05/28/26 05:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141948	05/28/26 05:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			141966	05/28/26 09:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141784	05/26/26 18:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141873	05/28/26 09:42	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	141788	05/26/26 18:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141828	05/27/26 23:29	SMC	EET MID

Client Sample ID: CS-88 (2.0')

Lab Sample ID: 880-72727-14

Date Collected: 05/26/26 10:47
Matrix: Solid
Date Received: 05/26/26 15:45

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	141868	05/27/26 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141795	05/28/26 05:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141948	05/28/26 05:49	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Client Sample ID: CS-88 (2.0')
Date Collected: 05/26/26 10:47
Date Received: 05/26/26 15:45

Lab Sample ID: 880-72727-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			141966	05/28/26 10:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141784	05/26/26 18:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141873	05/28/26 10:01	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	141788	05/26/26 18:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141828	05/27/26 23:44	SMC	EET MID

Client Sample ID: CS-89 (2.0')
Date Collected: 05/26/26 10:49
Date Received: 05/26/26 15:45

Lab Sample ID: 880-72727-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	141868	05/27/26 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141795	05/28/26 06:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141948	05/28/26 06:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			141966	05/28/26 10:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	141784	05/26/26 18:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141873	05/28/26 10:21	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	141788	05/26/26 18:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141828	05/27/26 23:49	SMC	EET MID

Client Sample ID: CS-90 (2.0')
Date Collected: 05/26/26 10:51
Date Received: 05/26/26 15:45

Lab Sample ID: 880-72727-16
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	141868	05/27/26 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141795	05/28/26 06:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141948	05/28/26 06:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			141966	05/28/26 10:40	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141784	05/26/26 18:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141873	05/28/26 10:40	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	141788	05/26/26 18:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141828	05/27/26 23:54	SMC	EET MID

Client Sample ID: CS-91 (2.0')
Date Collected: 05/26/26 10:53
Date Received: 05/26/26 15:45

Lab Sample ID: 880-72727-17
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	141868	05/27/26 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141795	05/28/26 06:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141948	05/28/26 06:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			141966	05/28/26 11:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141784	05/26/26 18:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141873	05/28/26 11:00	FC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Client Sample ID: CS-91 (2.0')

Lab Sample ID: 880-72727-17
Matrix: Solid
Date Collected: 05/26/26 10:53
Date Received: 05/26/26 15:45

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	141788	05/26/26 18:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141828	05/27/26 23:59	SMC	EET MID

Client Sample ID: CS-92 (2.0')

Lab Sample ID: 880-72727-18
Matrix: Solid
Date Collected: 05/26/26 10:55
Date Received: 05/26/26 15:45

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	141868	05/27/26 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141795	05/28/26 07:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141948	05/28/26 07:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			141966	05/28/26 11:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	141784	05/26/26 18:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141873	05/28/26 11:19	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	141788	05/26/26 18:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141828	05/28/26 00:04	SMC	EET MID

Client Sample ID: CS-93 (2.0')

Lab Sample ID: 880-72727-19
Matrix: Solid
Date Collected: 05/26/26 10:57
Date Received: 05/26/26 15:45

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	141868	05/27/26 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141795	05/28/26 07:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141948	05/28/26 07:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			141966	05/28/26 04:08	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141785	05/26/26 18:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141871	05/28/26 04:08	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	141788	05/26/26 18:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141828	05/28/26 00:09	SMC	EET MID

Client Sample ID: CS-94 (2.0')

Lab Sample ID: 880-72727-20
Matrix: Solid
Date Collected: 05/26/26 10:59
Date Received: 05/26/26 15:45

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	141868	05/27/26 15:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141795	05/28/26 07:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141948	05/28/26 07:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			141966	05/28/26 05:09	SA	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10.00 mL	141785	05/26/26 18:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141871	05/28/26 05:09	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	141788	05/26/26 18:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141828	05/28/26 00:14	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Client Sample ID: CS-95 (2.0')

Lab Sample ID: 880-72727-21
Matrix: Solid
Date Collected: 05/26/26 11:01
Date Received: 05/26/26 15:45

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	141820	05/27/26 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141796	05/27/26 18:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141948	05/27/26 18:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			141966	05/28/26 05:28	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10.00 mL	141785	05/26/26 18:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141871	05/28/26 05:28	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	141787	05/26/26 18:26	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141817	05/27/26 19:04	SMC	EET MID

Client Sample ID: CS-96 (2.0')

Lab Sample ID: 880-72727-22
Matrix: Solid
Date Collected: 05/26/26 11:03
Date Received: 05/26/26 15:45

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	141820	05/27/26 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141796	05/27/26 18:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141948	05/27/26 18:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			141966	05/28/26 05:49	SA	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10.00 mL	141785	05/26/26 18:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141871	05/28/26 05:49	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	141787	05/26/26 18:26	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141817	05/27/26 19:19	SMC	EET MID

Client Sample ID: CS-97 (2.0')

Lab Sample ID: 880-72727-23
Matrix: Solid
Date Collected: 05/26/26 11:05
Date Received: 05/26/26 15:45

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	141820	05/27/26 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141796	05/27/26 18:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141948	05/27/26 18:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			141966	05/28/26 06:08	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141785	05/26/26 18:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141871	05/28/26 06:08	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	141787	05/26/26 18:26	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141817	05/27/26 19:24	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-72727-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. 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: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72727-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-72727-1	CS-75 (0.5')	Solid	05/26/26 09:20	05/26/26 15:45	New Mexico
880-72727-2	CS-76 (0.5')	Solid	05/26/26 09:22	05/26/26 15:45	New Mexico
880-72727-3	CS-77 (0.5')	Solid	05/26/26 09:24	05/26/26 15:45	New Mexico
880-72727-4	CS-78 (0.5')	Solid	05/26/26 09:26	05/26/26 15:45	New Mexico
880-72727-5	CS-79 (0.5')	Solid	05/26/26 09:28	05/26/26 15:45	New Mexico
880-72727-6	CS-80 (0.5')	Solid	05/26/26 09:30	05/26/26 15:45	New Mexico
880-72727-7	CS-81 (0.5')	Solid	05/26/26 09:32	05/26/26 15:45	New Mexico
880-72727-8	CS-82 (0.5')	Solid	05/26/26 09:34	05/26/26 15:45	New Mexico
880-72727-9	CS-83 (0.5')	Solid	05/26/26 09:36	05/26/26 15:45	New Mexico
880-72727-10	CS-84 (0.5')	Solid	05/26/26 09:38	05/26/26 15:45	New Mexico
880-72727-11	CS-85 (0.5')	Solid	05/26/26 09:40	05/26/26 15:45	New Mexico
880-72727-12	CS-86 (2.0')	Solid	05/26/26 10:43	05/26/26 15:45	New Mexico
880-72727-13	CS-87 (2.0')	Solid	05/26/26 10:45	05/26/26 15:45	New Mexico
880-72727-14	CS-88 (2.0')	Solid	05/26/26 10:47	05/26/26 15:45	New Mexico
880-72727-15	CS-89 (2.0')	Solid	05/26/26 10:49	05/26/26 15:45	New Mexico
880-72727-16	CS-90 (2.0')	Solid	05/26/26 10:51	05/26/26 15:45	New Mexico
880-72727-17	CS-91 (2.0')	Solid	05/26/26 10:53	05/26/26 15:45	New Mexico
880-72727-18	CS-92 (2.0')	Solid	05/26/26 10:55	05/26/26 15:45	New Mexico
880-72727-19	CS-93 (2.0')	Solid	05/26/26 10:57	05/26/26 15:45	New Mexico
880-72727-20	CS-94 (2.0')	Solid	05/26/26 10:59	05/26/26 15:45	New Mexico
880-72727-21	CS-95 (2.0')	Solid	05/26/26 11:01	05/26/26 15:45	New Mexico
880-72727-22	CS-96 (2.0')	Solid	05/26/26 11:03	05/26/26 15:45	New Mexico
880-72727-23	CS-97 (2.0')	Solid	05/26/26 11:05	05/26/26 15:45	New Mexico

Page 560 of 957

Chain of Custody

880-72727 Chain of Custody

880-72727 COC

5/28/2026

Page 1 of 3

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	☐ Routine ☑ Rush
Project Number:	3202		
Project Location	Lea County, New Mexico	Due Date:	48 hr
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.1
Total Containers:		Corrected Temperature:	3.0

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold
CS-75 (0.5')	5/26/2026	9:20	X		Comp	1	X	X	X	
CS-76 (0.5')	5/26/2026	9:22	X		Comp	1	X	X	X	
CS-77 (0.5')	5/26/2026	9:24	X		Comp	1	X	X	X	
CS-78 (0.5')	5/26/2026	9:26	X		Comp	1	X	X	X	
CS-79 (0.5')	5/26/2026	9:28	X		Comp	1	X	X	X	
CS-80 (0.5')	5/26/2026	9:30	X		Comp	1	X	X	X	
CS-81 (0.5')	5/26/2026	9:32	X		Comp	1	X	X	X	
CS-82 (0.5')	5/26/2026	9:34	X		Comp	1	X	X	X	
CS-83 (0.5')	5/26/2026	9:36	X		Comp	1	X	X	X	
CS-84 (0.5')	5/26/2026	9:38	X		Comp	1	X	X	X	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Comments

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5/26/26 15:45		5/26/26 15:45

Page 52 of 55

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Page 561 of 957

Chain of Custody

Work Order No: 2727

5/28/2026

Page 2 of 3

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	☐ Routine ☑ Rush
Project Number:	3202	Due Date:	48 hr
Project Location	Lea County, New Mexico		
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.1
Total Containers:		Corrected Temperature:	3.4

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS-85 (0.5')	5/26/2026	9:40	X		Comp	1		X	X	X		
CS-86 (2.0')	5/26/2026	10:43	X		Comp	1		X	X	X		
CS-87 (2.0')	5/26/2026	10:45	X		Comp	1		X	X	X		
CS-88 (2.0')	5/26/2026	10:47	X		Comp	1		X	X	X		
CS-89 (2.0')	5/26/2026	10:49	X		Comp	1		X	X	X		
CS-90 (2.0')	5/26/2026	10:51	X		Comp	1		X	X	X		
CS-91 (2.0')	5/26/2026	10:53	X		Comp	1		X	X	X		
CS-92 (2.0')	5/26/2026	10:55	X		Comp	1		X	X	X		
CS-93 (2.0')	5/26/2026	10:57	X		Comp	1		X	X	X		
CS-94 (2.0')	5/26/2026	10:59	X		Comp	1		X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5/26/24 15:45		5/26/24 15:45

Page 53 of 55

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Page 562 of 957

Chain of Custody

Work Order No: 2727

5/28/2026

Page 3 of 3

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	☐ Routine ☑ Rush
Project Number:	3202	Due Date:	48 hr
Project Location	Lea County, New Mexico		
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.1
Total Containers:		Corrected Temperature:	3.8

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS-95 (2.0')	5/26/2026	11:01	X		Comp	1		X	X	X		
CS-96 (2.0')	5/26/2026	11:03	X		Comp	1		X	X	X		
CS-97 (2.0')	5/26/2026	11:05	X		Comp	1		X	X	X		

ANALYSIS REQUEST / Parameters

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5/26/26 15:45		5/26/26 15:45

Page 54 of 55

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-72727-1
SDG Number: Lea County, New Mexico

Login Number: 72727
List Number: 1
Creator: Juarez, Leticia

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/28/2026 5:20:08 PM

JOB DESCRIPTION

Matador Gavalon (03.13.2026)
Lea County, New Mexico

JOB NUMBER

880-72730-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 6/23/2026 8:46:47 AM

my EOL

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
5/28/2026 5:20:08 PM

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

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Laboratory Job ID: 880-72730-1
SDG: Lea County, New Mexico

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 7
Surrogate Summary 11
QC Sample Results 12
QC Association Summary 16
Lab Chronicle 18
Certification Summary 20
Method Summary 21
Sample Summary 22
Chain of Custody 23
Receipt Checklists 24

Definitions/Glossary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72730-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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: Matador Gavalon (03.13.2026)

Job ID: 880-72730-1

Job ID: 880-72730-1 Eurofins Midland

Job Narrative
880-72730-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 5/26/2026 3:45 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 3.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SW-24 (2.0'-4.0') (880-72730-1), SW-25 (2.0') (880-72730-2), SW-26 (0.5'-2.0') (880-72730-3), SW-27 (2.0') (880-72730-4) and SW-28 (2.0') (880-72730-5).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-24 (2.0'-4.0') (880-72730-1). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-141820 and analytical batch 880-141796 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside the upper control limit: SW-26 (0.5'-2.0') (880-72730-3). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics
Method 8015B NM: Surrogate recovery for the following samples were outside control limits: SW-25 (2.0') (880-72730-2), SW-27 (2.0') (880-72730-4), SW-28 (2.0') (880-72730-5) and (880-72727-A-19-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (880-72727-A-19-B MS) and (880-72727-A-19-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-141785/3-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: SW-26 (0.5'-2.0') (880-72730-3). Evidence of matrix interferences is not obvious.

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-141785 and analytical batch 880-141871 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
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland

Case Narrative

Client: Carmona Resources
Job ID: 880-72730-1
Project: Matador Gavalon (03.13.2026)

Job ID: 880-72730-1 (Continued)

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72730-1
SDG: Lea County, New Mexico

Client Sample ID: SW-24 (2.0'-4.0')

Lab Sample ID: 880-72730-1
Matrix: Solid
Date Collected: 05/26/26 01:05
Date Received: 05/26/26 15:45

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		05/27/26 15:00	05/27/26 16:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/27/26 15:00	05/27/26 16:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/27/26 15:00	05/27/26 16:32	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/27/26 15:00	05/27/26 16:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/27/26 15:00	05/27/26 16:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/27/26 15:00	05/27/26 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*05/27/26 15:00*	*05/27/26 16:32*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*05/27/26 15:00*	*05/27/26 16:32*	*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			05/27/26 16:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/28/26 06:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/26/26 18:16	05/28/26 06:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/26 18:16	05/28/26 06:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/26 18:16	05/28/26 06:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*70*		*70 - 130*	*05/26/26 18:16*	*05/28/26 06:30*	*1*
o-Terphenyl (Surr)	*82*		*70 - 130*	*05/26/26 18:16*	*05/28/26 06:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.5**		10.1		mg/Kg			05/28/26 13:46	1

Client Sample ID: SW-25 (2.0')

Lab Sample ID: 880-72730-2
Matrix: Solid
Date Collected: 05/26/26 01:07
Date Received: 05/26/26 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:00	05/27/26 16:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:00	05/27/26 16:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:00	05/27/26 16:53	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/27/26 15:00	05/27/26 16:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/27/26 15:00	05/27/26 16:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/27/26 15:00	05/27/26 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*05/27/26 15:00*	*05/27/26 16:53*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*05/27/26 15:00*	*05/27/26 16:53*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72730-1
SDG: Lea County, New Mexico

Client Sample ID: SW-25 (2.0')

Lab Sample ID: 880-72730-2
Date Collected: 05/26/26 01:07
Matrix: Solid
Date Received: 05/26/26 15:45

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			05/27/26 16:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/28/26 06:48	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		05/26/26 18:16	05/28/26 06:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/26 18:16	05/28/26 06:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/26 18:16	05/28/26 06:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*60*	*S1-*	*70 - 130*	*05/26/26 18:16*	*05/28/26 06:48*	*1*
o-Terphenyl (Surr)	*67*	*S1-*	*70 - 130*	*05/26/26 18:16*	*05/28/26 06:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/28/26 13:51	1

Client Sample ID: SW-26 (0.5'-2.0')

Lab Sample ID: 880-72730-3
Date Collected: 05/26/26 01:09
Matrix: Solid
Date Received: 05/26/26 15:45

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		05/27/26 15:00	05/27/26 17:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/27/26 15:00	05/27/26 17:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/27/26 15:00	05/27/26 17:13	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/27/26 15:00	05/27/26 17:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/27/26 15:00	05/27/26 17:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/27/26 15:00	05/27/26 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*05/27/26 15:00*	*05/27/26 17:13*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*05/27/26 15:00*	*05/27/26 17:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/27/26 17:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/28/26 07:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/26/26 18:16	05/28/26 07:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/26/26 18:16	05/28/26 07:08	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72730-1
SDG: Lea County, New Mexico

Client Sample ID: SW-26 (0.5'-2.0')

Lab Sample ID: 880-72730-3
Matrix: Solid
Date Collected: 05/26/26 01:09
Date Received: 05/26/26 15:45

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		05/26/26 18:16	05/28/26 07:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*66*	*S1-*	*70 - 130*	*05/26/26 18:16*	*05/28/26 07:08*	*1*
o-Terphenyl (Surr)	*72*		*70 - 130*	*05/26/26 18:16*	*05/28/26 07:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.3**		10.0		mg/Kg			05/28/26 01:14	1

Client Sample ID: SW-27 (2.0')

Lab Sample ID: 880-72730-4
Matrix: Solid
Date Collected: 05/26/26 01:11
Date Received: 05/26/26 15:45

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		05/27/26 15:00	05/27/26 17:34	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/27/26 15:00	05/27/26 17:34	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/27/26 15:00	05/27/26 17:34	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/27/26 15:00	05/27/26 17:34	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/27/26 15:00	05/27/26 17:34	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/27/26 15:00	05/27/26 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*05/27/26 15:00*	*05/27/26 17:34*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*05/27/26 15:00*	*05/27/26 17:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/27/26 17:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/28/26 07:27	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		05/26/26 18:16	05/28/26 07:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/26/26 18:16	05/28/26 07:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/26/26 18:16	05/28/26 07:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*52*	*S1-*	*70 - 130*	*05/26/26 18:16*	*05/28/26 07:27*	*1*
o-Terphenyl (Surr)	*56*	*S1-*	*70 - 130*	*05/26/26 18:16*	*05/28/26 07:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.8**		9.98		mg/Kg			05/28/26 01:19	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72730-1
SDG: Lea County, New Mexico

Client Sample ID: SW-28 (2.0')

Date Collected: 05/26/26 01:13
Date Received: 05/26/26 15:45

Lab Sample ID: 880-72730-5

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/27/26 15:00	05/27/26 17:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/27/26 15:00	05/27/26 17:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/27/26 15:00	05/27/26 17:55	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/27/26 15:00	05/27/26 17:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/27/26 15:00	05/27/26 17:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/27/26 15:00	05/27/26 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*05/27/26 15:00*	*05/27/26 17:55*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*05/27/26 15:00*	*05/27/26 17:55*	*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			05/27/26 17:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/28/26 07:46	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	<49.9	U	49.9		mg/Kg		05/26/26 18:16	05/28/26 07:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/26/26 18:16	05/28/26 07:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/26 18:16	05/28/26 07:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*40*	*S1-*	*70 - 130*	*05/26/26 18:16*	*05/28/26 07:46*	*1*
o-Terphenyl (Surr)	*43*	*S1-*	*70 - 130*	*05/26/26 18:16*	*05/28/26 07:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.6**		9.94		mg/Kg			05/28/26 01:24	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72730-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-72730-1	SW-24 (2.0'-4.0')	134 S1+	118
880-72730-2	SW-25 (2.0')	123	113
880-72730-3	SW-26 (0.5'-2.0')	132 S1+	118
880-72730-4	SW-27 (2.0')	120	111
880-72730-5	SW-28 (2.0')	117	112
890-9983-A-25-C MS	Matrix Spike	119	105
890-9983-A-25-D MSD	Matrix Spike Duplicate	121	104
LCS 880-141820/1-A	Lab Control Sample	103	104
LCSD 880-141820/2-A	Lab Control Sample Dup	92	96
MB 880-141820/5-A	Method Blank	119	105

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)
880-72727-A-19-B MS	Matrix Spike	55 S1-	56 S1-
880-72727-A-19-C MSD	Matrix Spike Duplicate	50 S1-	49 S1-
880-72730-1	SW-24 (2.0'-4.0')	70	82
880-72730-2	SW-25 (2.0')	60 S1-	67 S1-
880-72730-3	SW-26 (0.5'-2.0')	66 S1-	72
880-72730-4	SW-27 (2.0')	52 S1-	56 S1-
880-72730-5	SW-28 (2.0')	40 S1-	43 S1-
LCS 880-141785/2-A	Lab Control Sample	85	82
LCSD 880-141785/3-A	Lab Control Sample Dup	71	65 S1-
MB 880-141785/1-A	Method Blank	95	104

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72730-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-141820/5-A
Matrix: Solid
Analysis Batch: 141796

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141820

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/27/26 09:43	05/27/26 10:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/27/26 09:43	05/27/26 10:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/27/26 09:43	05/27/26 10:49	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/27/26 09:43	05/27/26 10:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/27/26 09:43	05/27/26 10:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/27/26 09:43	05/27/26 10:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*05/27/26 09:43*	*05/27/26 10:49*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/27/26 09:43*	*05/27/26 10:49*	*1*

Lab Sample ID: LCS 880-141820/1-A
Matrix: Solid
Analysis Batch: 141796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141820

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09754		mg/Kg		98	70 - 130
Toluene	0.100	0.09636		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.07959		mg/Kg		80	70 - 130
m,p-Xylenes	0.200	0.1829		mg/Kg		91	70 - 130
o-Xylene	0.100	0.09886		mg/Kg		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 880-141820/2-A
Matrix: Solid
Analysis Batch: 141796

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141820

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09264		mg/Kg		93	70 - 130	5	35
Toluene	0.100	0.08868		mg/Kg		89	70 - 130	8	35
Ethylbenzene	0.100	0.08162		mg/Kg		82	70 - 130	3	35
m,p-Xylenes	0.200	0.1775		mg/Kg		89	70 - 130	3	35
o-Xylene	0.100	0.09266		mg/Kg		93	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-9983-A-25-C MS
Matrix: Solid
Analysis Batch: 141796

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 141820

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.07720		mg/Kg		77	70 - 130
Toluene	<0.00200	U	0.100	0.07670		mg/Kg		77	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72730-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 890-9983-A-25-C MS
Matrix: Solid
Analysis Batch: 141796

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 141820

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F1	0.100	0.08134		mg/Kg		81	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1761		mg/Kg		88	70 - 130
o-Xylene	<0.00200	U	0.100	0.09796		mg/Kg		98	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 890-9983-A-25-D MSD
Matrix: Solid
Analysis Batch: 141796

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 141820

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	0.09131		mg/Kg		91	70 - 130	17	35
Toluene	<0.00200	U	0.100	0.08821		mg/Kg		88	70 - 130	14	35
Ethylbenzene	<0.00200	U F1	0.100	0.06671	F1	mg/Kg		67	70 - 130	20	35
m,p-Xylenes	<0.00399	U	0.200	0.1733		mg/Kg		87	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.1220		mg/Kg		122	70 - 130	22	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

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

Lab Sample ID: MB 880-141785/1-A
Matrix: Solid
Analysis Batch: 141871

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141785

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		05/26/26 18:16	05/28/26 03:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/26 18:16	05/28/26 03:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/26 18:16	05/28/26 03:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*95*		*70 - 130*	*05/26/26 18:16*	*05/28/26 03:09*	*1*
o-Terphenyl (Surr)	*104*		*70 - 130*	*05/26/26 18:16*	*05/28/26 03:09*	*1*

Lab Sample ID: LCS 880-141785/2-A
Matrix: Solid
Analysis Batch: 141871

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141785

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	980.1		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1284		mg/Kg		128	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72730-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-141785/2-A
Matrix: Solid
Analysis Batch: 141871

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141785

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	85		70 - 130
o-Terphenyl (Surr)	82		70 - 130

Lab Sample ID: LCSD 880-141785/3-A
Matrix: Solid
Analysis Batch: 141871

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141785

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1130		mg/Kg		113	70 - 130	14	20
Diesel Range Organics (Over C10-C28)			1000	1271		mg/Kg		127	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	71		70 - 130
o-Terphenyl (Surr)	65	S1-	70 - 130

Lab Sample ID: 880-72727-A-19-B MS
Matrix: Solid
Analysis Batch: 141871

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 141785

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F1	1010	426.9	F1	mg/Kg		42	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U F1	1010	400.4	F1	mg/Kg		40	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	55	S1-	70 - 130
o-Terphenyl (Surr)	56	S1-	70 - 130

Lab Sample ID: 880-72727-A-19-C MSD
Matrix: Solid
Analysis Batch: 141871

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 141785

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F1	1010	405.3	F1	mg/Kg		40	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.1	U F1	1010	357.4	F1	mg/Kg		36	70 - 130	11	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	50	S1-	70 - 130
o-Terphenyl (Surr)	49	S1-	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72730-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-141789/1-A
Matrix: Solid
Analysis Batch: 141834

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			05/28/26 00:39	1

Lab Sample ID: LCS 880-141789/2-A
Matrix: Solid
Analysis Batch: 141834

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	238.1		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-141789/3-A
Matrix: Solid
Analysis Batch: 141834

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	265.0		mg/Kg		106	90 - 110	11	20

Lab Sample ID: 880-72730-1 MS
Matrix: Solid
Analysis Batch: 141834

Client Sample ID: SW-24 (2.0'-4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	22.5		252	270.6		mg/Kg		99	90 - 110		

Lab Sample ID: 880-72730-1 MSD
Matrix: Solid
Analysis Batch: 141834

Client Sample ID: SW-24 (2.0'-4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	53.1		252	297.7		mg/Kg		97	90 - 110	10	20

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72730-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 141796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72730-1	SW-24 (2.0'-4.0')	Total/NA	Solid	8021B	141820
880-72730-2	SW-25 (2.0')	Total/NA	Solid	8021B	141820
880-72730-3	SW-26 (0.5'-2.0')	Total/NA	Solid	8021B	141820
880-72730-4	SW-27 (2.0')	Total/NA	Solid	8021B	141820
880-72730-5	SW-28 (2.0')	Total/NA	Solid	8021B	141820
MB 880-141820/5-A	Method Blank	Total/NA	Solid	8021B	141820
LCS 880-141820/1-A	Lab Control Sample	Total/NA	Solid	8021B	141820
LCSD 880-141820/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	141820
890-9983-A-25-C MS	Matrix Spike	Total/NA	Solid	8021B	141820
890-9983-A-25-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	141820

Prep Batch: 141820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72730-1	SW-24 (2.0'-4.0')	Total/NA	Solid	5035	
880-72730-2	SW-25 (2.0')	Total/NA	Solid	5035	
880-72730-3	SW-26 (0.5'-2.0')	Total/NA	Solid	5035	
880-72730-4	SW-27 (2.0')	Total/NA	Solid	5035	
880-72730-5	SW-28 (2.0')	Total/NA	Solid	5035	
MB 880-141820/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-141820/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-141820/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9983-A-25-C MS	Matrix Spike	Total/NA	Solid	5035	
890-9983-A-25-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 141886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72730-1	SW-24 (2.0'-4.0')	Total/NA	Solid	Total BTEX	
880-72730-2	SW-25 (2.0')	Total/NA	Solid	Total BTEX	
880-72730-3	SW-26 (0.5'-2.0')	Total/NA	Solid	Total BTEX	
880-72730-4	SW-27 (2.0')	Total/NA	Solid	Total BTEX	
880-72730-5	SW-28 (2.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 141785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72730-1	SW-24 (2.0'-4.0')	Total/NA	Solid	8015NM Prep	
880-72730-2	SW-25 (2.0')	Total/NA	Solid	8015NM Prep	
880-72730-3	SW-26 (0.5'-2.0')	Total/NA	Solid	8015NM Prep	
880-72730-4	SW-27 (2.0')	Total/NA	Solid	8015NM Prep	
880-72730-5	SW-28 (2.0')	Total/NA	Solid	8015NM Prep	
MB 880-141785/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-141785/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-141785/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-72727-A-19-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-72727-A-19-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 141871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72730-1	SW-24 (2.0'-4.0')	Total/NA	Solid	8015B NM	141785
880-72730-2	SW-25 (2.0')	Total/NA	Solid	8015B NM	141785

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72730-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 141871 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72730-3	SW-26 (0.5'-2.0')	Total/NA	Solid	8015B NM	141785
880-72730-4	SW-27 (2.0')	Total/NA	Solid	8015B NM	141785
880-72730-5	SW-28 (2.0')	Total/NA	Solid	8015B NM	141785
MB 880-141785/1-A	Method Blank	Total/NA	Solid	8015B NM	141785
LCS 880-141785/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	141785
LCSD 880-141785/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	141785
880-72727-A-19-B MS	Matrix Spike	Total/NA	Solid	8015B NM	141785
880-72727-A-19-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	141785

Analysis Batch: 141968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72730-1	SW-24 (2.0'-4.0')	Total/NA	Solid	8015 NM	
880-72730-2	SW-25 (2.0')	Total/NA	Solid	8015 NM	
880-72730-3	SW-26 (0.5'-2.0')	Total/NA	Solid	8015 NM	
880-72730-4	SW-27 (2.0')	Total/NA	Solid	8015 NM	
880-72730-5	SW-28 (2.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 141789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72730-1	SW-24 (2.0'-4.0')	Soluble	Solid	DI Leach	
880-72730-2	SW-25 (2.0')	Soluble	Solid	DI Leach	
880-72730-3	SW-26 (0.5'-2.0')	Soluble	Solid	DI Leach	
880-72730-4	SW-27 (2.0')	Soluble	Solid	DI Leach	
880-72730-5	SW-28 (2.0')	Soluble	Solid	DI Leach	
MB 880-141789/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-141789/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-141789/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-72730-1 MS	SW-24 (2.0'-4.0')	Soluble	Solid	DI Leach	
880-72730-1 MSD	SW-24 (2.0'-4.0')	Soluble	Solid	DI Leach	

Analysis Batch: 141834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72730-1	SW-24 (2.0'-4.0')	Soluble	Solid	300.0	141789
880-72730-2	SW-25 (2.0')	Soluble	Solid	300.0	141789
880-72730-3	SW-26 (0.5'-2.0')	Soluble	Solid	300.0	141789
880-72730-4	SW-27 (2.0')	Soluble	Solid	300.0	141789
880-72730-5	SW-28 (2.0')	Soluble	Solid	300.0	141789
MB 880-141789/1-A	Method Blank	Soluble	Solid	300.0	141789
LCS 880-141789/2-A	Lab Control Sample	Soluble	Solid	300.0	141789
LCSD 880-141789/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	141789
880-72730-1 MS	SW-24 (2.0'-4.0')	Soluble	Solid	300.0	141789
880-72730-1 MSD	SW-24 (2.0'-4.0')	Soluble	Solid	300.0	141789

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72730-1
SDG: Lea County, New Mexico

Client Sample ID: SW-24 (2.0'-4.0')

Lab Sample ID: 880-72730-1
Matrix: Solid
Date Collected: 05/26/26 01:05
Date Received: 05/26/26 15:45

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	141820	05/27/26 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141796	05/27/26 16:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141886	05/27/26 16:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			141968	05/28/26 06:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	141785	05/26/26 18:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141871	05/28/26 06:30	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	141789	05/26/26 18:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141834	05/28/26 13:46	SMC	EET MID

Client Sample ID: SW-25 (2.0')

Lab Sample ID: 880-72730-2
Matrix: Solid
Date Collected: 05/26/26 01:07
Date Received: 05/26/26 15:45

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	141820	05/27/26 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141796	05/27/26 16:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141886	05/27/26 16:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			141968	05/28/26 06:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141785	05/26/26 18:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141871	05/28/26 06:48	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	141789	05/26/26 18:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141834	05/28/26 13:51	SMC	EET MID

Client Sample ID: SW-26 (0.5'-2.0')

Lab Sample ID: 880-72730-3
Matrix: Solid
Date Collected: 05/26/26 01:09
Date Received: 05/26/26 15:45

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	141820	05/27/26 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141796	05/27/26 17:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141886	05/27/26 17:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			141968	05/28/26 07:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	141785	05/26/26 18:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141871	05/28/26 07:08	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	141789	05/26/26 18:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141834	05/28/26 01:14	SMC	EET MID

Client Sample ID: SW-27 (2.0')

Lab Sample ID: 880-72730-4
Matrix: Solid
Date Collected: 05/26/26 01:11
Date Received: 05/26/26 15:45

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	141820	05/27/26 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141796	05/27/26 17:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141886	05/27/26 17:34	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72730-1
SDG: Lea County, New Mexico

Client Sample ID: SW-27 (2.0')

Lab Sample ID: 880-72730-4

Date Collected: 05/26/26 01:11
Matrix: Solid
Date Received: 05/26/26 15:45

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			141968	05/28/26 07:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	141785	05/26/26 18:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141871	05/28/26 07:27	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	141789	05/26/26 18:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141834	05/28/26 01:19	SMC	EET MID

Client Sample ID: SW-28 (2.0')

Lab Sample ID: 880-72730-5

Date Collected: 05/26/26 01:13
Matrix: Solid
Date Received: 05/26/26 15:45

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	141820	05/27/26 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141796	05/27/26 17:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141886	05/27/26 17:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			141968	05/28/26 07:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141785	05/26/26 18:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141871	05/28/26 07:46	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	141789	05/26/26 18:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141834	05/28/26 01:24	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-72730-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. 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: Matador Gavalon (03.13.2026)

Job ID: 880-72730-1
SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72730-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-72730-1	SW-24 (2.0'-4.0')	Solid	05/26/26 01:05	05/26/26 15:45	New Mexico
880-72730-2	SW-25 (2.0')	Solid	05/26/26 01:07	05/26/26 15:45	New Mexico
880-72730-3	SW-26 (0.5'-2.0')	Solid	05/26/26 01:09	05/26/26 15:45	New Mexico
880-72730-4	SW-27 (2.0')	Solid	05/26/26 01:11	05/26/26 15:45	New Mexico
880-72730-5	SW-28 (2.0')	Solid	05/26/26 01:13	05/26/26 15:45	New Mexico

Page 586 of 957

Chain of Custody

880-72730 Chain of Custody

880-72730 COC

5/28/2026

Page 1 of 1

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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:	Matador Gavalon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	48 hr
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.7
Total Containers:		Corrected Temperature:	3.8

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold
SW-24 (2.0'-4.0')	5/26/2026	1:05	X		Comp	1	X	X	X	
SW-25 (2.0')	5/26/2026	1:07	X		Comp	1	X	X	X	
SW-26 (0.5'-2.0')	5/26/2026	1:09	X		Comp	1	X	X	X	
SW-27 (2.0')	5/26/2026	1:11	X		Comp	1	X	X	X	
SW-28 (2.0')	5/26/2026	1:13	X		Comp	1	X	X	X	

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5.26.26 15:45		5.26.26 15:45

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-72730-1
SDG Number: Lea County, New Mexico

Login Number: 72730
List Number: 1
Creator: Juarez, Leticia

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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/28/2026 4:49:41 PM

JOB DESCRIPTION

Matador Gavalon (03.13.2026)
Lea County New Mexico

JOB NUMBER

880-72791-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 6/23/2026 8:46:47 AM

my EOL

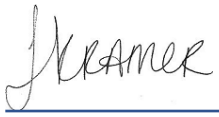
Eurofins Midland

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
5/28/2026 4:49:41 PM

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

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Laboratory Job ID: 880-72791-1
SDG: Lea County New Mexico

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 6
Client Sample Results 8
Surrogate Summary 21
QC Sample Results 23
QC Association Summary 29
Lab Chronicle 34
Certification Summary 40
Method Summary 41
Sample Summary 42
Chain of Custody 43
Receipt Checklists 45

Definitions/Glossary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

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

HPLC/IC

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

Glossary

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

Definitions/Glossary

Client: Carmona Resources
Job ID: 880-72791-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County New Mexico

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

Case Narrative

Client: Carmona Resources
Project: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1

Job ID: 880-72791-1 Eurofins Midland

Job Narrative
880-72791-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 5/27/2026 3:33 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 4.7°C.

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-141908 and analytical batch 880-141892 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-141906 and analytical batch 880-141890 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-98 (2.0') (880-72791-1), CS-99 (2.0') (880-72791-2), CS-100 (2.0') (880-72791-3), CS-101 (2.0') (880-72791-4), CS-102 (2.0') (880-72791-5), CS-103 (2.0') (880-72791-6), CS-104 (2.0') (880-72791-7), CS-105 (2.0') (880-72791-8), CS-106 (2.0') (880-72791-9), CS-107 (2.0') (880-72791-10) and (880-72791-A-1-G MS). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCSD 880-141906/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-141906 and analytical batch 880-141890 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

Diesel Range Organics
Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-141884/2-A), (LCSD 880-141884/3-A) and (MB 880-141884/1-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-141884 and analytical batch 880-141875 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 300.0 - Soluble: The Chloride matrix spike (MS) recoveries for preparation batch 880-141880 and analytical batch 880-141888 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Case Narrative

Client: Carmona Resources Job ID: 880-72791-1
Project: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1 (Continued) Eurofins Midland

The associated samples are: CS-98 (2.0') (880-72791-1), CS-99 (2.0') (880-72791-2), CS-100 (2.0') (880-72791-3), CS-101 (2.0') (880-72791-4), CS-102 (2.0') (880-72791-5), CS-103 (2.0') (880-72791-6), CS-104 (2.0') (880-72791-7), CS-105 (2.0') (880-72791-8), CS-106 (2.0') (880-72791-9), CS-107 (2.0') (880-72791-10) and (880-72791-A-1-B MS).

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

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

Client Sample ID: CS-98 (2.0')

Lab Sample ID: 880-72791-1
Matrix: Solid
Date Collected: 05/27/26 09:01
Date Received: 05/27/26 15:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+ *1	0.00200		mg/Kg		05/28/26 10:00	05/28/26 11:23	1
Toluene	<0.00200	U *- *+ *1	0.00200		mg/Kg		05/28/26 10:00	05/28/26 11:23	1
Ethylbenzene	<0.00200	U *+ *1 *-	0.00200		mg/Kg		05/28/26 10:00	05/28/26 11:23	1
m,p-Xylenes	<0.00399	U *+ *1 *-	0.00399		mg/Kg		05/28/26 10:00	05/28/26 11:23	1
o-Xylene	<0.00200	U *+ *1	0.00200		mg/Kg		05/28/26 10:00	05/28/26 11:23	1
Xylenes, Total	<0.00399	U *+ *1 *-	0.00399		mg/Kg		05/28/26 10:00	05/28/26 11:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*182*	*S1+*	*70 - 130*	*05/28/26 10:00*	*05/28/26 11:23*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*05/28/26 10:00*	*05/28/26 11:23*	*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			05/28/26 11:23	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			05/28/26 02:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	49.9		mg/Kg		05/27/26 17:15	05/28/26 02:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/27/26 17:15	05/28/26 02:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/27/26 17:15	05/28/26 02:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*91*		*70 - 130*	*05/27/26 17:15*	*05/28/26 02:44*	*1*
o-Terphenyl (Surr)	*102*		*70 - 130*	*05/27/26 17:15*	*05/28/26 02:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**145**	**F1**	10.1		mg/Kg			05/28/26 09:15	1

Client Sample ID: CS-99 (2.0')

Lab Sample ID: 880-72791-2
Matrix: Solid
Date Collected: 05/27/26 09:04
Date Received: 05/27/26 15:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *+ *1	0.00201		mg/Kg		05/28/26 10:00	05/28/26 11:43	1
Toluene	<0.00201	U *- *+ *1	0.00201		mg/Kg		05/28/26 10:00	05/28/26 11:43	1
Ethylbenzene	<0.00201	U *+ *1 *-	0.00201		mg/Kg		05/28/26 10:00	05/28/26 11:43	1
m,p-Xylenes	<0.00402	U *+ *1 *-	0.00402		mg/Kg		05/28/26 10:00	05/28/26 11:43	1
o-Xylene	<0.00201	U *+ *1	0.00201		mg/Kg		05/28/26 10:00	05/28/26 11:43	1
Xylenes, Total	<0.00402	U *+ *1 *-	0.00402		mg/Kg		05/28/26 10:00	05/28/26 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*167*	*S1+*	*70 - 130*	*05/28/26 10:00*	*05/28/26 11:43*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*05/28/26 10:00*	*05/28/26 11:43*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

Client Sample ID: CS-99 (2.0')

Lab Sample ID: 880-72791-2
Matrix: Solid
Date Collected: 05/27/26 09:04
Date Received: 05/27/26 15:33

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			05/28/26 11:43	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			05/28/26 03:46	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		05/27/26 17:15	05/28/26 03:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/27/26 17:15	05/28/26 03:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/27/26 17:15	05/28/26 03:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*05/27/26 17:15*	*05/28/26 03:46*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*05/27/26 17:15*	*05/28/26 03:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.1**		10.0		mg/Kg			05/28/26 09:30	1

Client Sample ID: CS-100 (2.0')

Lab Sample ID: 880-72791-3
Matrix: Solid
Date Collected: 05/27/26 09:07
Date Received: 05/27/26 15:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *+ *1	0.00202		mg/Kg		05/28/26 10:00	05/28/26 12:04	1
Toluene	<0.00202	U *- *+ *1	0.00202		mg/Kg		05/28/26 10:00	05/28/26 12:04	1
Ethylbenzene	<0.00202	U *+ *1 *-	0.00202		mg/Kg		05/28/26 10:00	05/28/26 12:04	1
m,p-Xylenes	<0.00404	U *+ *1 *-	0.00404		mg/Kg		05/28/26 10:00	05/28/26 12:04	1
o-Xylene	<0.00202	U *+ *1	0.00202		mg/Kg		05/28/26 10:00	05/28/26 12:04	1
Xylenes, Total	<0.00404	U *+ *1 *-	0.00404		mg/Kg		05/28/26 10:00	05/28/26 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*05/28/26 10:00*	*05/28/26 12:04*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*05/28/26 10:00*	*05/28/26 12:04*	*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			05/28/26 12:04	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			05/28/26 04:06	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	<49.8	U	49.8		mg/Kg		05/27/26 17:15	05/28/26 04:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/27/26 17:15	05/28/26 04:06	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

Client Sample ID: CS-100 (2.0')

Lab Sample ID: 880-72791-3
Matrix: Solid
Date Collected: 05/27/26 09:07
Date Received: 05/27/26 15:33

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		05/27/26 17:15	05/28/26 04:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*95*		*70 - 130*	*05/27/26 17:15*	*05/28/26 04:06*	*1*
o-Terphenyl (Surr)	*107*		*70 - 130*	*05/27/26 17:15*	*05/28/26 04:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**40.3**		9.96		mg/Kg			05/28/26 09:35	1

Client Sample ID: CS-101 (2.0')

Lab Sample ID: 880-72791-4
Matrix: Solid
Date Collected: 05/27/26 09:10
Date Received: 05/27/26 15:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+ *1	0.00199		mg/Kg		05/28/26 10:00	05/28/26 12:24	1
Toluene	<0.00199	U *- *+ *1	0.00199		mg/Kg		05/28/26 10:00	05/28/26 12:24	1
Ethylbenzene	<0.00199	U *+ *1 *-	0.00199		mg/Kg		05/28/26 10:00	05/28/26 12:24	1
m,p-Xylenes	<0.00398	U *+ *1 *-	0.00398		mg/Kg		05/28/26 10:00	05/28/26 12:24	1
o-Xylene	<0.00199	U *+ *1	0.00199		mg/Kg		05/28/26 10:00	05/28/26 12:24	1
Xylenes, Total	<0.00398	U *+ *1 *-	0.00398		mg/Kg		05/28/26 10:00	05/28/26 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*	*05/28/26 10:00*	*05/28/26 12:24*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*05/28/26 10:00*	*05/28/26 12:24*	*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			05/28/26 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/28/26 04:27	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		05/27/26 17:15	05/28/26 04:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/27/26 17:15	05/28/26 04:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/27/26 17:15	05/28/26 04:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*83*		*70 - 130*	*05/27/26 17:15*	*05/28/26 04:27*	*1*
o-Terphenyl (Surr)	*86*		*70 - 130*	*05/27/26 17:15*	*05/28/26 04:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			05/28/26 09:40	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

Client Sample ID: CS-102 (2.0')

Lab Sample ID: 880-72791-5
Matrix: Solid
Date Collected: 05/27/26 09:13
Date Received: 05/27/26 15:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+ *1	0.00200		mg/Kg		05/28/26 10:00	05/28/26 12:45	1
Toluene	<0.00200	U *- *+ *1	0.00200		mg/Kg		05/28/26 10:00	05/28/26 12:45	1
Ethylbenzene	<0.00200	U *+ *1 *-	0.00200		mg/Kg		05/28/26 10:00	05/28/26 12:45	1
m,p-Xylenes	<0.00400	U *+ *1 *-	0.00400		mg/Kg		05/28/26 10:00	05/28/26 12:45	1
o-Xylene	<0.00200	U *+ *1	0.00200		mg/Kg		05/28/26 10:00	05/28/26 12:45	1
Xylenes, Total	<0.00400	U *+ *1 *-	0.00400		mg/Kg		05/28/26 10:00	05/28/26 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*158*	*S1+*	*70 - 130*	*05/28/26 10:00*	*05/28/26 12:45*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*05/28/26 10:00*	*05/28/26 12:45*	*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			05/28/26 12:45	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			05/28/26 04:48	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		05/27/26 17:15	05/28/26 04:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/27/26 17:15	05/28/26 04:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/27/26 17:15	05/28/26 04:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*87*		*70 - 130*	*05/27/26 17:15*	*05/28/26 04:48*	*1*
o-Terphenyl (Surr)	*100*		*70 - 130*	*05/27/26 17:15*	*05/28/26 04:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34.7**		9.98		mg/Kg			05/28/26 09:45	1

Client Sample ID: CS-103 (2.0')

Lab Sample ID: 880-72791-6
Matrix: Solid
Date Collected: 05/27/26 09:16
Date Received: 05/27/26 15:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+ *1	0.00200		mg/Kg		05/28/26 10:00	05/28/26 13:05	1
Toluene	<0.00200	U *- *+ *1	0.00200		mg/Kg		05/28/26 10:00	05/28/26 13:05	1
Ethylbenzene	<0.00200	U *+ *1 *-	0.00200		mg/Kg		05/28/26 10:00	05/28/26 13:05	1
m,p-Xylenes	<0.00399	U *+ *1 *-	0.00399		mg/Kg		05/28/26 10:00	05/28/26 13:05	1
o-Xylene	<0.00200	U *+ *1	0.00200		mg/Kg		05/28/26 10:00	05/28/26 13:05	1
Xylenes, Total	<0.00399	U *+ *1 *-	0.00399		mg/Kg		05/28/26 10:00	05/28/26 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*05/28/26 10:00*	*05/28/26 13:05*	*1*
1,4-Difluorobenzene (Surr)	*62*	*S1-*	*70 - 130*	*05/28/26 10:00*	*05/28/26 13:05*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

Client Sample ID: CS-103 (2.0')

Lab Sample ID: 880-72791-6
Matrix: Solid
Date Collected: 05/27/26 09:16
Date Received: 05/27/26 15:33

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			05/28/26 13:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/28/26 05:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/27/26 17:15	05/28/26 05:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/27/26 17:15	05/28/26 05:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/27/26 17:15	05/28/26 05:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*85*		*70 - 130*	*05/27/26 17:15*	*05/28/26 05:08*	*1*
o-Terphenyl (Surr)	*96*		*70 - 130*	*05/27/26 17:15*	*05/28/26 05:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**201**		9.92		mg/Kg			05/28/26 10:00	1

Client Sample ID: CS-104 (2.0')

Lab Sample ID: 880-72791-7
Matrix: Solid
Date Collected: 05/27/26 09:19
Date Received: 05/27/26 15:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *+ *1	0.00201		mg/Kg		05/28/26 10:00	05/28/26 13:25	1
Toluene	<0.00201	U *- *+ *1	0.00201		mg/Kg		05/28/26 10:00	05/28/26 13:25	1
Ethylbenzene	<0.00201	U *+ *1 *-	0.00201		mg/Kg		05/28/26 10:00	05/28/26 13:25	1
m,p-Xylenes	<0.00402	U *+ *1 *-	0.00402		mg/Kg		05/28/26 10:00	05/28/26 13:25	1
o-Xylene	<0.00201	U *+ *1	0.00201		mg/Kg		05/28/26 10:00	05/28/26 13:25	1
Xylenes, Total	<0.00402	U *+ *1 *-	0.00402		mg/Kg		05/28/26 10:00	05/28/26 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*	*05/28/26 10:00*	*05/28/26 13:25*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*05/28/26 10:00*	*05/28/26 13:25*	*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			05/28/26 13:25	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			05/28/26 05:29	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		05/27/26 17:15	05/28/26 05:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/27/26 17:15	05/28/26 05:29	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

Client Sample ID: CS-104 (2.0')

Lab Sample ID: 880-72791-7
Matrix: Solid
Date Collected: 05/27/26 09:19
Date Received: 05/27/26 15:33

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		05/27/26 17:15	05/28/26 05:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*104*		*70 - 130*	*05/27/26 17:15*	*05/28/26 05:29*	*1*
o-Terphenyl (Surr)	*112*		*70 - 130*	*05/27/26 17:15*	*05/28/26 05:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.0**		9.90		mg/Kg			05/28/26 10:05	1

Client Sample ID: CS-105 (2.0')

Lab Sample ID: 880-72791-8
Matrix: Solid
Date Collected: 05/27/26 09:22
Date Received: 05/27/26 15:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *+ *1	0.00202		mg/Kg		05/28/26 10:00	05/28/26 13:46	1
Toluene	<0.00202	U *- *+ *1	0.00202		mg/Kg		05/28/26 10:00	05/28/26 13:46	1
Ethylbenzene	<0.00202	U *+ *1 *-	0.00202		mg/Kg		05/28/26 10:00	05/28/26 13:46	1
m,p-Xylenes	<0.00404	U *+ *1 *-	0.00404		mg/Kg		05/28/26 10:00	05/28/26 13:46	1
o-Xylene	<0.00202	U *+ *1	0.00202		mg/Kg		05/28/26 10:00	05/28/26 13:46	1
Xylenes, Total	<0.00404	U *+ *1 *-	0.00404		mg/Kg		05/28/26 10:00	05/28/26 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*	*05/28/26 10:00*	*05/28/26 13:46*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/28/26 10:00*	*05/28/26 13:46*	*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			05/28/26 13:46	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			05/28/26 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	<50.0	U	50.0		mg/Kg		05/27/26 17:15	05/28/26 05:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/27/26 17:15	05/28/26 05:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/27/26 17:15	05/28/26 05:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*88*		*70 - 130*	*05/27/26 17:15*	*05/28/26 05:50*	*1*
o-Terphenyl (Surr)	*96*		*70 - 130*	*05/27/26 17:15*	*05/28/26 05:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.0**		10.0		mg/Kg			05/28/26 10:10	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

Client Sample ID: CS-106 (2.0')

Lab Sample ID: 880-72791-9
Matrix: Solid
Date Collected: 05/27/26 09:25
Date Received: 05/27/26 15:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+ *1	0.00199		mg/Kg		05/28/26 10:00	05/28/26 14:06	1
Toluene	<0.00199	U *- *+ *1	0.00199		mg/Kg		05/28/26 10:00	05/28/26 14:06	1
Ethylbenzene	<0.00199	U *+ *1 *-	0.00199		mg/Kg		05/28/26 10:00	05/28/26 14:06	1
m,p-Xylenes	<0.00398	U *+ *1 *-	0.00398		mg/Kg		05/28/26 10:00	05/28/26 14:06	1
o-Xylene	<0.00199	U *+ *1	0.00199		mg/Kg		05/28/26 10:00	05/28/26 14:06	1
Xylenes, Total	<0.00398	U *+ *1 *-	0.00398		mg/Kg		05/28/26 10:00	05/28/26 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*158*	*S1+*	*70 - 130*	*05/28/26 10:00*	*05/28/26 14:06*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*05/28/26 10:00*	*05/28/26 14:06*	*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			05/28/26 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/28/26 06:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/27/26 17:15	05/28/26 06:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/27/26 17:15	05/28/26 06:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/27/26 17:15	05/28/26 06:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*05/27/26 17:15*	*05/28/26 06:11*	*1*
o-Terphenyl (Surr)	*100*		*70 - 130*	*05/27/26 17:15*	*05/28/26 06:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.90	U	9.90		mg/Kg			05/28/26 10:15	1

Client Sample ID: CS-107 (2.0')

Lab Sample ID: 880-72791-10
Matrix: Solid
Date Collected: 05/27/26 12:03
Date Received: 05/27/26 15:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+ *1	0.00200		mg/Kg		05/28/26 10:00	05/28/26 14:27	1
Toluene	<0.00200	U *- *+ *1	0.00200		mg/Kg		05/28/26 10:00	05/28/26 14:27	1
Ethylbenzene	<0.00200	U *+ *1 *-	0.00200		mg/Kg		05/28/26 10:00	05/28/26 14:27	1
m,p-Xylenes	<0.00400	U *+ *1 *-	0.00400		mg/Kg		05/28/26 10:00	05/28/26 14:27	1
o-Xylene	<0.00200	U *+ *1	0.00200		mg/Kg		05/28/26 10:00	05/28/26 14:27	1
Xylenes, Total	<0.00400	U *+ *1 *-	0.00400		mg/Kg		05/28/26 10:00	05/28/26 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*164*	*S1+*	*70 - 130*	*05/28/26 10:00*	*05/28/26 14:27*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*05/28/26 10:00*	*05/28/26 14:27*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

Client Sample ID: CS-107 (2.0')

Lab Sample ID: 880-72791-10
Matrix: Solid
Date Collected: 05/27/26 12:03
Date Received: 05/27/26 15:33

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			05/28/26 14:27	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			05/28/26 08:42	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		05/27/26 17:15	05/28/26 08:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/27/26 17:15	05/28/26 08:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/27/26 17:15	05/28/26 08:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*05/27/26 17:15*	*05/28/26 08:42*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*05/27/26 17:15*	*05/28/26 08:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**66.1**		10.0		mg/Kg			05/28/26 10:20	1

Client Sample ID: CS-108 (2.0')

Lab Sample ID: 880-72791-11
Matrix: Solid
Date Collected: 05/27/26 12:06
Date Received: 05/27/26 15:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		05/28/26 10:09	05/28/26 11:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:09	05/28/26 11:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:09	05/28/26 11:23	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/28/26 10:09	05/28/26 11:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:09	05/28/26 11:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/28/26 10:09	05/28/26 11:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*05/28/26 10:09*	*05/28/26 11:23*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/28/26 10:09*	*05/28/26 11:23*	*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			05/28/26 11:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/28/26 09:23	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		05/27/26 17:15	05/28/26 09:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/27/26 17:15	05/28/26 09:23	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

Client Sample ID: CS-108 (2.0')

Lab Sample ID: 880-72791-11
Matrix: Solid
Date Collected: 05/27/26 12:06
Date Received: 05/27/26 15:33

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		05/27/26 17:15	05/28/26 09:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*100*		*70 - 130*	*05/27/26 17:15*	*05/28/26 09:23*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*05/27/26 17:15*	*05/28/26 09:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**57.4**		9.94		mg/Kg			05/28/26 10:25	1

Client Sample ID: CS-109 (2.0')

Lab Sample ID: 880-72791-12
Matrix: Solid
Date Collected: 05/27/26 12:09
Date Received: 05/27/26 15:33

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		05/28/26 10:09	05/28/26 11:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/28/26 10:09	05/28/26 11:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/28/26 10:09	05/28/26 11:43	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/28/26 10:09	05/28/26 11:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/28/26 10:09	05/28/26 11:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/28/26 10:09	05/28/26 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*05/28/26 10:09*	*05/28/26 11:43*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/28/26 10:09*	*05/28/26 11:43*	*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			05/28/26 11:43	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			05/28/26 09:43	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		05/27/26 17:15	05/28/26 09:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/27/26 17:15	05/28/26 09:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/27/26 17:15	05/28/26 09:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*05/27/26 17:15*	*05/28/26 09:43*	*1*
o-Terphenyl (Surr)	*108*		*70 - 130*	*05/27/26 17:15*	*05/28/26 09:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**72.8**		9.98		mg/Kg			05/28/26 10:40	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

Client Sample ID: CS-110 (2.0')

Lab Sample ID: 880-72791-13
Matrix: Solid
Date Collected: 05/27/26 12:12
Date Received: 05/27/26 15:33

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		05/28/26 10:09	05/28/26 12:04	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/28/26 10:09	05/28/26 12:04	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/28/26 10:09	05/28/26 12:04	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/28/26 10:09	05/28/26 12:04	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/28/26 10:09	05/28/26 12:04	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/28/26 10:09	05/28/26 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*05/28/26 10:09*	*05/28/26 12:04*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/28/26 10:09*	*05/28/26 12:04*	*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			05/28/26 12:04	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			05/28/26 10:04	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	<49.9	U	49.9		mg/Kg		05/27/26 17:15	05/28/26 10:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/27/26 17:15	05/28/26 10:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/27/26 17:15	05/28/26 10:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*109*		*70 - 130*	*05/27/26 17:15*	*05/28/26 10:04*	*1*
o-Terphenyl (Surr)	*112*		*70 - 130*	*05/27/26 17:15*	*05/28/26 10:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**66.3**		9.92		mg/Kg			05/28/26 10:45	1

Client Sample ID: CS-111 (2.0')

Lab Sample ID: 880-72791-14
Matrix: Solid
Date Collected: 05/27/26 12:15
Date Received: 05/27/26 15:33

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		05/28/26 10:09	05/28/26 12:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/28/26 10:09	05/28/26 12:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/28/26 10:09	05/28/26 12:24	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/28/26 10:09	05/28/26 12:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/28/26 10:09	05/28/26 12:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/28/26 10:09	05/28/26 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*05/28/26 10:09*	*05/28/26 12:24*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/28/26 10:09*	*05/28/26 12:24*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

Client Sample ID: CS-111 (2.0')

Lab Sample ID: 880-72791-14
Matrix: Solid
Date Collected: 05/27/26 12:15
Date Received: 05/27/26 15:33

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			05/28/26 12:24	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			05/28/26 10:24	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	<50.0	U	50.0		mg/Kg		05/27/26 17:15	05/28/26 10:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/27/26 17:15	05/28/26 10:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/27/26 17:15	05/28/26 10:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*106*		*70 - 130*	*05/27/26 17:15*	*05/28/26 10:24*	*1*
o-Terphenyl (Surr)	*112*		*70 - 130*	*05/27/26 17:15*	*05/28/26 10:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**80.9**		10.0		mg/Kg			05/28/26 11:00	1

Client Sample ID: CS-112 (2.0')

Lab Sample ID: 880-72791-15
Matrix: Solid
Date Collected: 05/27/26 12:18
Date Received: 05/27/26 15:33

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		05/28/26 10:09	05/28/26 12:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:09	05/28/26 12:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:09	05/28/26 12:45	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/28/26 10:09	05/28/26 12:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:09	05/28/26 12:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/28/26 10:09	05/28/26 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*05/28/26 10:09*	*05/28/26 12:45*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/28/26 10:09*	*05/28/26 12:45*	*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			05/28/26 12:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/28/26 10:45	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	<50.1	U	50.1		mg/Kg		05/27/26 17:15	05/28/26 10:45	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/27/26 17:15	05/28/26 10:45	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

Client Sample ID: CS-112 (2.0')

Lab Sample ID: 880-72791-15
Matrix: Solid
Date Collected: 05/27/26 12:18
Date Received: 05/27/26 15:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/27/26 17:15	05/28/26 10:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*84*		*70 - 130*	*05/27/26 17:15*	*05/28/26 10:45*	*1*
o-Terphenyl (Surr)	*91*		*70 - 130*	*05/27/26 17:15*	*05/28/26 10:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**59.1**		9.96		mg/Kg			05/28/26 11:05	1

Client Sample ID: CS-113 (2.0')

Lab Sample ID: 880-72791-16
Matrix: Solid
Date Collected: 05/27/26 12:21
Date Received: 05/27/26 15:33

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		05/28/26 10:09	05/28/26 13:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:09	05/28/26 13:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:09	05/28/26 13:05	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/28/26 10:09	05/28/26 13:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:09	05/28/26 13:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/28/26 10:09	05/28/26 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*05/28/26 10:09*	*05/28/26 13:05*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/28/26 10:09*	*05/28/26 13:05*	*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			05/28/26 13:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			05/28/26 11:05	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	<50.2	U	50.2		mg/Kg		05/27/26 17:15	05/28/26 11:05	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		05/27/26 17:15	05/28/26 11:05	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		05/27/26 17:15	05/28/26 11:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*106*		*70 - 130*	*05/27/26 17:15*	*05/28/26 11:05*	*1*
o-Terphenyl (Surr)	*118*		*70 - 130*	*05/27/26 17:15*	*05/28/26 11:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.3**		9.92		mg/Kg			05/28/26 11:10	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

Client Sample ID: CS-114 (2.0')

Date Collected: 05/27/26 12:24
Date Received: 05/27/26 15:33

Lab Sample ID: 880-72791-17

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		05/28/26 10:09	05/28/26 13:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/28/26 10:09	05/28/26 13:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/28/26 10:09	05/28/26 13:26	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/28/26 10:09	05/28/26 13:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/28/26 10:09	05/28/26 13:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/28/26 10:09	05/28/26 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*05/28/26 10:09*	*05/28/26 13:26*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/28/26 10:09*	*05/28/26 13:26*	*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			05/28/26 13:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			05/28/26 11:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		05/27/26 17:15	05/28/26 11:26	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		05/27/26 17:15	05/28/26 11:26	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		05/27/26 17:15	05/28/26 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*114*		*70 - 130*	*05/27/26 17:15*	*05/28/26 11:26*	*1*
o-Terphenyl (Surr)	*119*		*70 - 130*	*05/27/26 17:15*	*05/28/26 11:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			05/28/26 11:15	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
880-72791-1	CS-98 (2.0')	182 S1+	83
880-72791-1 MS	CS-98 (2.0')	157 S1+	70
880-72791-1 MSD	CS-98 (2.0')	164 S1+	82
880-72791-2	CS-99 (2.0')	167 S1+	81
880-72791-3	CS-100 (2.0')	128	79
880-72791-4	CS-101 (2.0')	149 S1+	70
880-72791-5	CS-102 (2.0')	158 S1+	77
880-72791-6	CS-103 (2.0')	128	62 S1-
880-72791-7	CS-104 (2.0')	149 S1+	89
880-72791-8	CS-105 (2.0')	151 S1+	100
880-72791-9	CS-106 (2.0')	158 S1+	81
880-72791-10	CS-107 (2.0')	164 S1+	78
880-72791-11	CS-108 (2.0')	96	92
880-72791-11 MS	CS-108 (2.0')	96	93
880-72791-11 MSD	CS-108 (2.0')	101	95
880-72791-12	CS-109 (2.0')	94	92
880-72791-13	CS-110 (2.0')	94	96
880-72791-14	CS-111 (2.0')	100	92
880-72791-15	CS-112 (2.0')	98	93
880-72791-16	CS-113 (2.0')	99	90
880-72791-17	CS-114 (2.0')	86	100
LCS 880-141906/1-A	Lab Control Sample	99	119
LCS 880-141908/1-A	Lab Control Sample	105	95
LCSD 880-141906/2-A	Lab Control Sample Dup	129	9 S1-
LCSD 880-141908/2-A	Lab Control Sample Dup	99	98
MB 880-141906/5-A	Method Blank	160 S1+	74
MB 880-141908/5-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**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
880-72791-1	CS-98 (2.0')	91	102
880-72791-1 MS	CS-98 (2.0')	100	94
880-72791-1 MSD	CS-98 (2.0')	98	93
880-72791-2	CS-99 (2.0')	99	103
880-72791-3	CS-100 (2.0')	95	107
880-72791-4	CS-101 (2.0')	83	86
880-72791-5	CS-102 (2.0')	87	100
880-72791-6	CS-103 (2.0')	85	96
880-72791-7	CS-104 (2.0')	104	112
880-72791-8	CS-105 (2.0')	88	96
880-72791-9	CS-106 (2.0')	98	100
880-72791-10	CS-107 (2.0')	89	101

Surrogate Summary

Client: Carmona Resources
Job ID: 880-72791-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County New Mexico

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
880-72791-11	CS-108 (2.0')	100	101								
880-72791-12	CS-109 (2.0')	98	108								
880-72791-13	CS-110 (2.0')	109	112								
880-72791-14	CS-111 (2.0')	106	112								
880-72791-15	CS-112 (2.0')	84	91								
880-72791-16	CS-113 (2.0')	106	118								
880-72791-17	CS-114 (2.0')	114	119								
LCS 880-141884/2-A	Lab Control Sample	190 S1+	180 S1+								
LCSD 880-141884/3-A	Lab Control Sample Dup	163 S1+	155 S1+								
MB 880-141884/1-A	Method Blank	148 S1+	226 S1+								

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-141906/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141890 — **Prep Batch: 141906**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:00	05/28/26 11:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:00	05/28/26 11:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:00	05/28/26 11:01	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/28/26 10:00	05/28/26 11:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:00	05/28/26 11:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/28/26 10:00	05/28/26 11:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*160*	*S1+*	*70 - 130*	*05/28/26 10:00*	*05/28/26 11:01*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*05/28/26 10:00*	*05/28/26 11:01*	*1*

Lab Sample ID: LCS 880-141906/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141890 — **Prep Batch: 141906**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1075		mg/Kg		108	70 - 130
Toluene	0.100	0.06561	*-	mg/Kg		66	70 - 130
Ethylbenzene	0.100	0.06213	*-	mg/Kg		62	70 - 130
m,p-Xylenes	0.200	0.1266	*-	mg/Kg		63	70 - 130
o-Xylene	0.100	0.07138		mg/Kg		71	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*

Lab Sample ID: LCSD 880-141906/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141890 — **Prep Batch: 141906**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07477	*1	mg/Kg		75	70 - 130	36	35
Toluene	0.100	0.06491	*-	mg/Kg		65	70 - 130	1	35
Ethylbenzene	0.100	0.08145		mg/Kg		81	70 - 130	27	35
m,p-Xylenes	0.200	0.1677		mg/Kg		84	70 - 130	28	35
o-Xylene	0.100	0.09283		mg/Kg		93	70 - 130	26	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*
1,4-Difluorobenzene (Surr)	*9*	*S1-*	*70 - 130*

Lab Sample ID: 880-72791-1 MS — **Client Sample ID: CS-98 (2.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141890 — **Prep Batch: 141906**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U *+ *1	0.100	0.09443		mg/Kg		94	70 - 130
Toluene	<0.00200	U *- *+ *1	0.100	0.08434		mg/Kg		84	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72791-1 MS — **Client Sample ID: CS-98 (2.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141890 — **Prep Batch: 141906**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U *+ *1 *-	0.100	0.1054		mg/Kg		105	70 - 130
m,p-Xylenes	<0.00399	U *+ *1 *-	0.200	0.2210		mg/Kg		110	70 - 130
o-Xylene	<0.00200	U *+ *1	0.100	0.1223		mg/Kg		122	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*157*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*

Lab Sample ID: 880-72791-1 MSD — **Client Sample ID: CS-98 (2.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141890 — **Prep Batch: 141906**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U *+ *1	0.100	0.08859		mg/Kg		89	70 - 130	6	35
Toluene	<0.00200	U *- *+ *1	0.100	0.07640		mg/Kg		76	70 - 130	10	35
Ethylbenzene	<0.00200	U *+ *1 *-	0.100	0.09604		mg/Kg		96	70 - 130	9	35
m,p-Xylenes	<0.00399	U *+ *1 *-	0.200	0.1937		mg/Kg		97	70 - 130	13	35
o-Xylene	<0.00200	U *+ *1	0.100	0.1072		mg/Kg		107	70 - 130	13	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*164*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*

Lab Sample ID: MB 880-141908/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141892 — **Prep Batch: 141908**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:09	05/28/26 11:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:09	05/28/26 11:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:09	05/28/26 11:01	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/28/26 10:09	05/28/26 11:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:09	05/28/26 11:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/28/26 10:09	05/28/26 11:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*05/28/26 10:09*	*05/28/26 11:01*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/28/26 10:09*	*05/28/26 11:01*	*1*

Lab Sample ID: LCS 880-141908/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141892 — **Prep Batch: 141908**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07178		mg/Kg		72	70 - 130
Toluene	0.100	0.07918		mg/Kg		79	70 - 130
Ethylbenzene	0.100	0.08687		mg/Kg		87	70 - 130
m,p-Xylenes	0.200	0.1747		mg/Kg		87	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-141908/1-A
Matrix: Solid
Analysis Batch: 141892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141908

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.08780		mg/Kg		88	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 880-141908/2-A
Matrix: Solid
Analysis Batch: 141892

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141908

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07486		mg/Kg		75	70 - 130	4	35
Toluene			0.100	0.08057		mg/Kg		81	70 - 130	2	35
Ethylbenzene			0.100	0.08848		mg/Kg		88	70 - 130	2	35
m,p-Xylenes			0.200	0.1738		mg/Kg		87	70 - 130	1	35
o-Xylene			0.100	0.08755		mg/Kg		88	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-72791-11 MS
Matrix: Solid
Analysis Batch: 141892

Client Sample ID: CS-108 (2.0')
Prep Type: Total/NA
Prep Batch: 141908

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U F1	0.100	0.06631	F1	mg/Kg		66	70 - 130		
Toluene	<0.00200	U	0.100	0.07695		mg/Kg		77	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.08588		mg/Kg		86	70 - 130		
m,p-Xylenes	<0.00399	U	0.200	0.1713		mg/Kg		86	70 - 130		
o-Xylene	<0.00200	U	0.100	0.08444		mg/Kg		84	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: 880-72791-11 MSD
Matrix: Solid
Analysis Batch: 141892

Client Sample ID: CS-108 (2.0')
Prep Type: Total/NA
Prep Batch: 141908

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	0.06421	F1	mg/Kg		64	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.07255		mg/Kg		73	70 - 130	6	35
Ethylbenzene	<0.00200	U	0.100	0.08055		mg/Kg		81	70 - 130	6	35
m,p-Xylenes	<0.00399	U	0.200	0.1618		mg/Kg		81	70 - 130	6	35
o-Xylene	<0.00200	U	0.100	0.07996		mg/Kg		80	70 - 130	5	35

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72791-11 MSD
Matrix: Solid
Analysis Batch: 141892

Client Sample ID: CS-108 (2.0')
Prep Type: Total/NA
Prep Batch: 141908

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

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

Lab Sample ID: MB 880-141884/1-A
Matrix: Solid
Analysis Batch: 141875

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141884

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		05/27/26 17:15	05/28/26 01:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/27/26 17:15	05/28/26 01:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/27/26 17:15	05/28/26 01:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	148	S1+	70 - 130	05/27/26 17:15	05/28/26 01:44	1
o-Terphenyl (Surr)	226	S1+	70 - 130	05/27/26 17:15	05/28/26 01:44	1

Lab Sample ID: LCS 880-141884/2-A
Matrix: Solid
Analysis Batch: 141875

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141884

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1044		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1270		mg/Kg		127	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	190	S1+	70 - 130
o-Terphenyl (Surr)	180	S1+	70 - 130

Lab Sample ID: LCSD 880-141884/3-A
Matrix: Solid
Analysis Batch: 141875

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141884

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	926.1		mg/Kg		93	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	1213		mg/Kg		121	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	163	S1+	70 - 130
o-Terphenyl (Surr)	155	S1+	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72791-1 MS — **Client Sample ID: CS-98 (2.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141875 — **Prep Batch: 141884**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	999	654.7	F1	mg/Kg		62	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	791.7		mg/Kg		79	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*100*		*70 - 130*
o-Terphenyl (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-72791-1 MSD — **Client Sample ID: CS-98 (2.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141875 — **Prep Batch: 141884**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	999	660.5	F1	mg/Kg		63	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	755.9		mg/Kg		76	70 - 130	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*98*		*70 - 130*
o-Terphenyl (Surr)	*93*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-141880/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141888

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/28/26 08:40	1

Lab Sample ID: LCS 880-141880/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141888

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	229.5		mg/Kg		92	90 - 110

Lab Sample ID: LCSD 880-141880/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141888

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	235.9		mg/Kg		94	90 - 110	3	20

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-72791-1 MS
Matrix: Solid
Analysis Batch: 141888

Client Sample ID: CS-98 (2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	145	F1	252	368.3	F1	mg/Kg		89	90 - 110		

Lab Sample ID: 880-72791-1 MSD
Matrix: Solid
Analysis Batch: 141888

Client Sample ID: CS-98 (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	145	F1	252	372.7		mg/Kg		90	90 - 110	1	20

Lab Sample ID: 880-72791-11 MS
Matrix: Solid
Analysis Batch: 141888

Client Sample ID: CS-108 (2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	57.4		249	291.4		mg/Kg		94	90 - 110		

Lab Sample ID: 880-72791-11 MSD
Matrix: Solid
Analysis Batch: 141888

Client Sample ID: CS-108 (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	57.4		249	295.9		mg/Kg		96	90 - 110	2	20

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

GC VOA

Analysis Batch: 141890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72791-1	CS-98 (2.0')	Total/NA	Solid	8021B	141906
880-72791-2	CS-99 (2.0')	Total/NA	Solid	8021B	141906
880-72791-3	CS-100 (2.0')	Total/NA	Solid	8021B	141906
880-72791-4	CS-101 (2.0')	Total/NA	Solid	8021B	141906
880-72791-5	CS-102 (2.0')	Total/NA	Solid	8021B	141906
880-72791-6	CS-103 (2.0')	Total/NA	Solid	8021B	141906
880-72791-7	CS-104 (2.0')	Total/NA	Solid	8021B	141906
880-72791-8	CS-105 (2.0')	Total/NA	Solid	8021B	141906
880-72791-9	CS-106 (2.0')	Total/NA	Solid	8021B	141906
880-72791-10	CS-107 (2.0')	Total/NA	Solid	8021B	141906
MB 880-141906/5-A	Method Blank	Total/NA	Solid	8021B	141906
LCS 880-141906/1-A	Lab Control Sample	Total/NA	Solid	8021B	141906
LCSD 880-141906/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	141906
880-72791-1 MS	CS-98 (2.0')	Total/NA	Solid	8021B	141906
880-72791-1 MSD	CS-98 (2.0')	Total/NA	Solid	8021B	141906

Analysis Batch: 141892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72791-11	CS-108 (2.0')	Total/NA	Solid	8021B	141908
880-72791-12	CS-109 (2.0')	Total/NA	Solid	8021B	141908
880-72791-13	CS-110 (2.0')	Total/NA	Solid	8021B	141908
880-72791-14	CS-111 (2.0')	Total/NA	Solid	8021B	141908
880-72791-15	CS-112 (2.0')	Total/NA	Solid	8021B	141908
880-72791-16	CS-113 (2.0')	Total/NA	Solid	8021B	141908
880-72791-17	CS-114 (2.0')	Total/NA	Solid	8021B	141908
MB 880-141908/5-A	Method Blank	Total/NA	Solid	8021B	141908
LCS 880-141908/1-A	Lab Control Sample	Total/NA	Solid	8021B	141908
LCSD 880-141908/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	141908
880-72791-11 MS	CS-108 (2.0')	Total/NA	Solid	8021B	141908
880-72791-11 MSD	CS-108 (2.0')	Total/NA	Solid	8021B	141908

Prep Batch: 141906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72791-1	CS-98 (2.0')	Total/NA	Solid	5035	
880-72791-2	CS-99 (2.0')	Total/NA	Solid	5035	
880-72791-3	CS-100 (2.0')	Total/NA	Solid	5035	
880-72791-4	CS-101 (2.0')	Total/NA	Solid	5035	
880-72791-5	CS-102 (2.0')	Total/NA	Solid	5035	
880-72791-6	CS-103 (2.0')	Total/NA	Solid	5035	
880-72791-7	CS-104 (2.0')	Total/NA	Solid	5035	
880-72791-8	CS-105 (2.0')	Total/NA	Solid	5035	
880-72791-9	CS-106 (2.0')	Total/NA	Solid	5035	
880-72791-10	CS-107 (2.0')	Total/NA	Solid	5035	
MB 880-141906/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-141906/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-141906/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-72791-1 MS	CS-98 (2.0')	Total/NA	Solid	5035	
880-72791-1 MSD	CS-98 (2.0')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

GC VOA

Prep Batch: 141908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72791-11	CS-108 (2.0')	Total/NA	Solid	5035	
880-72791-12	CS-109 (2.0')	Total/NA	Solid	5035	
880-72791-13	CS-110 (2.0')	Total/NA	Solid	5035	
880-72791-14	CS-111 (2.0')	Total/NA	Solid	5035	
880-72791-15	CS-112 (2.0')	Total/NA	Solid	5035	
880-72791-16	CS-113 (2.0')	Total/NA	Solid	5035	
880-72791-17	CS-114 (2.0')	Total/NA	Solid	5035	
MB 880-141908/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-141908/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-141908/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-72791-11 MS	CS-108 (2.0')	Total/NA	Solid	5035	
880-72791-11 MSD	CS-108 (2.0')	Total/NA	Solid	5035	

Analysis Batch: 141945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72791-1	CS-98 (2.0')	Total/NA	Solid	Total BTEX	
880-72791-2	CS-99 (2.0')	Total/NA	Solid	Total BTEX	
880-72791-3	CS-100 (2.0')	Total/NA	Solid	Total BTEX	
880-72791-4	CS-101 (2.0')	Total/NA	Solid	Total BTEX	
880-72791-5	CS-102 (2.0')	Total/NA	Solid	Total BTEX	
880-72791-6	CS-103 (2.0')	Total/NA	Solid	Total BTEX	
880-72791-7	CS-104 (2.0')	Total/NA	Solid	Total BTEX	
880-72791-8	CS-105 (2.0')	Total/NA	Solid	Total BTEX	
880-72791-9	CS-106 (2.0')	Total/NA	Solid	Total BTEX	
880-72791-10	CS-107 (2.0')	Total/NA	Solid	Total BTEX	
880-72791-11	CS-108 (2.0')	Total/NA	Solid	Total BTEX	
880-72791-12	CS-109 (2.0')	Total/NA	Solid	Total BTEX	
880-72791-13	CS-110 (2.0')	Total/NA	Solid	Total BTEX	
880-72791-14	CS-111 (2.0')	Total/NA	Solid	Total BTEX	
880-72791-15	CS-112 (2.0')	Total/NA	Solid	Total BTEX	
880-72791-16	CS-113 (2.0')	Total/NA	Solid	Total BTEX	
880-72791-17	CS-114 (2.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 141875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72791-1	CS-98 (2.0')	Total/NA	Solid	8015B NM	141884
880-72791-2	CS-99 (2.0')	Total/NA	Solid	8015B NM	141884
880-72791-3	CS-100 (2.0')	Total/NA	Solid	8015B NM	141884
880-72791-4	CS-101 (2.0')	Total/NA	Solid	8015B NM	141884
880-72791-5	CS-102 (2.0')	Total/NA	Solid	8015B NM	141884
880-72791-6	CS-103 (2.0')	Total/NA	Solid	8015B NM	141884
880-72791-7	CS-104 (2.0')	Total/NA	Solid	8015B NM	141884
880-72791-8	CS-105 (2.0')	Total/NA	Solid	8015B NM	141884
880-72791-9	CS-106 (2.0')	Total/NA	Solid	8015B NM	141884
880-72791-10	CS-107 (2.0')	Total/NA	Solid	8015B NM	141884
880-72791-11	CS-108 (2.0')	Total/NA	Solid	8015B NM	141884
880-72791-12	CS-109 (2.0')	Total/NA	Solid	8015B NM	141884
880-72791-13	CS-110 (2.0')	Total/NA	Solid	8015B NM	141884
880-72791-14	CS-111 (2.0')	Total/NA	Solid	8015B NM	141884

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 141875 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72791-15	CS-112 (2.0')	Total/NA	Solid	8015B NM	141884
880-72791-16	CS-113 (2.0')	Total/NA	Solid	8015B NM	141884
880-72791-17	CS-114 (2.0')	Total/NA	Solid	8015B NM	141884
MB 880-141884/1-A	Method Blank	Total/NA	Solid	8015B NM	141884
LCS 880-141884/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	141884
LCSD 880-141884/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	141884
880-72791-1 MS	CS-98 (2.0')	Total/NA	Solid	8015B NM	141884
880-72791-1 MSD	CS-98 (2.0')	Total/NA	Solid	8015B NM	141884

Prep Batch: 141884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72791-1	CS-98 (2.0')	Total/NA	Solid	8015NM Prep	
880-72791-2	CS-99 (2.0')	Total/NA	Solid	8015NM Prep	
880-72791-3	CS-100 (2.0')	Total/NA	Solid	8015NM Prep	
880-72791-4	CS-101 (2.0')	Total/NA	Solid	8015NM Prep	
880-72791-5	CS-102 (2.0')	Total/NA	Solid	8015NM Prep	
880-72791-6	CS-103 (2.0')	Total/NA	Solid	8015NM Prep	
880-72791-7	CS-104 (2.0')	Total/NA	Solid	8015NM Prep	
880-72791-8	CS-105 (2.0')	Total/NA	Solid	8015NM Prep	
880-72791-9	CS-106 (2.0')	Total/NA	Solid	8015NM Prep	
880-72791-10	CS-107 (2.0')	Total/NA	Solid	8015NM Prep	
880-72791-11	CS-108 (2.0')	Total/NA	Solid	8015NM Prep	
880-72791-12	CS-109 (2.0')	Total/NA	Solid	8015NM Prep	
880-72791-13	CS-110 (2.0')	Total/NA	Solid	8015NM Prep	
880-72791-14	CS-111 (2.0')	Total/NA	Solid	8015NM Prep	
880-72791-15	CS-112 (2.0')	Total/NA	Solid	8015NM Prep	
880-72791-16	CS-113 (2.0')	Total/NA	Solid	8015NM Prep	
880-72791-17	CS-114 (2.0')	Total/NA	Solid	8015NM Prep	
MB 880-141884/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-141884/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-141884/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-72791-1 MS	CS-98 (2.0')	Total/NA	Solid	8015NM Prep	
880-72791-1 MSD	CS-98 (2.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 141955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72791-1	CS-98 (2.0')	Total/NA	Solid	8015 NM	
880-72791-2	CS-99 (2.0')	Total/NA	Solid	8015 NM	
880-72791-3	CS-100 (2.0')	Total/NA	Solid	8015 NM	
880-72791-4	CS-101 (2.0')	Total/NA	Solid	8015 NM	
880-72791-5	CS-102 (2.0')	Total/NA	Solid	8015 NM	
880-72791-6	CS-103 (2.0')	Total/NA	Solid	8015 NM	
880-72791-7	CS-104 (2.0')	Total/NA	Solid	8015 NM	
880-72791-8	CS-105 (2.0')	Total/NA	Solid	8015 NM	
880-72791-9	CS-106 (2.0')	Total/NA	Solid	8015 NM	
880-72791-10	CS-107 (2.0')	Total/NA	Solid	8015 NM	
880-72791-11	CS-108 (2.0')	Total/NA	Solid	8015 NM	
880-72791-12	CS-109 (2.0')	Total/NA	Solid	8015 NM	
880-72791-13	CS-110 (2.0')	Total/NA	Solid	8015 NM	
880-72791-14	CS-111 (2.0')	Total/NA	Solid	8015 NM	
880-72791-15	CS-112 (2.0')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 141955 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72791-16	CS-113 (2.0')	Total/NA	Solid	8015 NM	
880-72791-17	CS-114 (2.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 141880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72791-1	CS-98 (2.0')	Soluble	Solid	DI Leach	
880-72791-2	CS-99 (2.0')	Soluble	Solid	DI Leach	
880-72791-3	CS-100 (2.0')	Soluble	Solid	DI Leach	
880-72791-4	CS-101 (2.0')	Soluble	Solid	DI Leach	
880-72791-5	CS-102 (2.0')	Soluble	Solid	DI Leach	
880-72791-6	CS-103 (2.0')	Soluble	Solid	DI Leach	
880-72791-7	CS-104 (2.0')	Soluble	Solid	DI Leach	
880-72791-8	CS-105 (2.0')	Soluble	Solid	DI Leach	
880-72791-9	CS-106 (2.0')	Soluble	Solid	DI Leach	
880-72791-10	CS-107 (2.0')	Soluble	Solid	DI Leach	
880-72791-11	CS-108 (2.0')	Soluble	Solid	DI Leach	
880-72791-12	CS-109 (2.0')	Soluble	Solid	DI Leach	
880-72791-13	CS-110 (2.0')	Soluble	Solid	DI Leach	
880-72791-14	CS-111 (2.0')	Soluble	Solid	DI Leach	
880-72791-15	CS-112 (2.0')	Soluble	Solid	DI Leach	
880-72791-16	CS-113 (2.0')	Soluble	Solid	DI Leach	
880-72791-17	CS-114 (2.0')	Soluble	Solid	DI Leach	
MB 880-141880/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-141880/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-141880/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-72791-1 MS	CS-98 (2.0')	Soluble	Solid	DI Leach	
880-72791-1 MSD	CS-98 (2.0')	Soluble	Solid	DI Leach	
880-72791-11 MS	CS-108 (2.0')	Soluble	Solid	DI Leach	
880-72791-11 MSD	CS-108 (2.0')	Soluble	Solid	DI Leach	

Analysis Batch: 141888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72791-1	CS-98 (2.0')	Soluble	Solid	300.0	141880
880-72791-2	CS-99 (2.0')	Soluble	Solid	300.0	141880
880-72791-3	CS-100 (2.0')	Soluble	Solid	300.0	141880
880-72791-4	CS-101 (2.0')	Soluble	Solid	300.0	141880
880-72791-5	CS-102 (2.0')	Soluble	Solid	300.0	141880
880-72791-6	CS-103 (2.0')	Soluble	Solid	300.0	141880
880-72791-7	CS-104 (2.0')	Soluble	Solid	300.0	141880
880-72791-8	CS-105 (2.0')	Soluble	Solid	300.0	141880
880-72791-9	CS-106 (2.0')	Soluble	Solid	300.0	141880
880-72791-10	CS-107 (2.0')	Soluble	Solid	300.0	141880
880-72791-11	CS-108 (2.0')	Soluble	Solid	300.0	141880
880-72791-12	CS-109 (2.0')	Soluble	Solid	300.0	141880
880-72791-13	CS-110 (2.0')	Soluble	Solid	300.0	141880
880-72791-14	CS-111 (2.0')	Soluble	Solid	300.0	141880
880-72791-15	CS-112 (2.0')	Soluble	Solid	300.0	141880
880-72791-16	CS-113 (2.0')	Soluble	Solid	300.0	141880
880-72791-17	CS-114 (2.0')	Soluble	Solid	300.0	141880

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

HPLC/IC (Continued)

Analysis Batch: 141888 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-141880/1-A	Method Blank	Soluble	Solid	300.0	141880
LCS 880-141880/2-A	Lab Control Sample	Soluble	Solid	300.0	141880
LCSD 880-141880/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	141880
880-72791-1 MS	CS-98 (2.0')	Soluble	Solid	300.0	141880
880-72791-1 MSD	CS-98 (2.0')	Soluble	Solid	300.0	141880
880-72791-11 MS	CS-108 (2.0')	Soluble	Solid	300.0	141880
880-72791-11 MSD	CS-108 (2.0')	Soluble	Solid	300.0	141880

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

Client Sample ID: CS-98 (2.0')

Lab Sample ID: 880-72791-1
Matrix: Solid
Date Collected: 05/27/26 09:01
Date Received: 05/27/26 15:33

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	141906	05/28/26 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141890	05/28/26 11:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141945	05/28/26 11:23	MNR	EET MID
Total/NA	Analysis	8015 NM		1			141955	05/28/26 02:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141884	05/27/26 17:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141875	05/28/26 02:44	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	141880	05/27/26 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141888	05/28/26 09:15	SMC	EET MID

Client Sample ID: CS-99 (2.0')

Lab Sample ID: 880-72791-2
Matrix: Solid
Date Collected: 05/27/26 09:04
Date Received: 05/27/26 15:33

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	141906	05/28/26 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141890	05/28/26 11:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141945	05/28/26 11:43	MNR	EET MID
Total/NA	Analysis	8015 NM		1			141955	05/28/26 03:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141884	05/27/26 17:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141875	05/28/26 03:46	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	141880	05/27/26 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141888	05/28/26 09:30	SMC	EET MID

Client Sample ID: CS-100 (2.0')

Lab Sample ID: 880-72791-3
Matrix: Solid
Date Collected: 05/27/26 09:07
Date Received: 05/27/26 15:33

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	141906	05/28/26 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141890	05/28/26 12:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141945	05/28/26 12:04	MNR	EET MID
Total/NA	Analysis	8015 NM		1			141955	05/28/26 04:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	141884	05/27/26 17:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141875	05/28/26 04:06	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	141880	05/27/26 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141888	05/28/26 09:35	SMC	EET MID

Client Sample ID: CS-101 (2.0')

Lab Sample ID: 880-72791-4
Matrix: Solid
Date Collected: 05/27/26 09:10
Date Received: 05/27/26 15:33

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	141906	05/28/26 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141890	05/28/26 12:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141945	05/28/26 12:24	MNR	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

Client Sample ID: CS-101 (2.0')

Lab Sample ID: 880-72791-4
Matrix: Solid
Date Collected: 05/27/26 09:10
Date Received: 05/27/26 15:33

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			141955	05/28/26 04:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141884	05/27/26 17:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141875	05/28/26 04:27	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	141880	05/27/26 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141888	05/28/26 09:40	SMC	EET MID

Client Sample ID: CS-102 (2.0')

Lab Sample ID: 880-72791-5
Matrix: Solid
Date Collected: 05/27/26 09:13
Date Received: 05/27/26 15:33

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	141906	05/28/26 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141890	05/28/26 12:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141945	05/28/26 12:45	MNR	EET MID
Total/NA	Analysis	8015 NM		1			141955	05/28/26 04:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	141884	05/27/26 17:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141875	05/28/26 04:48	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	141880	05/27/26 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141888	05/28/26 09:45	SMC	EET MID

Client Sample ID: CS-103 (2.0')

Lab Sample ID: 880-72791-6
Matrix: Solid
Date Collected: 05/27/26 09:16
Date Received: 05/27/26 15:33

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	141906	05/28/26 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141890	05/28/26 13:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141945	05/28/26 13:05	MNR	EET MID
Total/NA	Analysis	8015 NM		1			141955	05/28/26 05:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	141884	05/27/26 17:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141875	05/28/26 05:08	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	141880	05/27/26 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141888	05/28/26 10:00	SMC	EET MID

Client Sample ID: CS-104 (2.0')

Lab Sample ID: 880-72791-7
Matrix: Solid
Date Collected: 05/27/26 09:19
Date Received: 05/27/26 15:33

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	141906	05/28/26 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141890	05/28/26 13:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141945	05/28/26 13:25	MNR	EET MID
Total/NA	Analysis	8015 NM		1			141955	05/28/26 05:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	141884	05/27/26 17:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141875	05/28/26 05:29	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

Client Sample ID: CS-104 (2.0')

Lab Sample ID: 880-72791-7
Matrix: Solid
Date Collected: 05/27/26 09:19
Date Received: 05/27/26 15:33

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	141880	05/27/26 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141888	05/28/26 10:05	SMC	EET MID

Client Sample ID: CS-105 (2.0')

Lab Sample ID: 880-72791-8
Matrix: Solid
Date Collected: 05/27/26 09:22
Date Received: 05/27/26 15:33

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	141906	05/28/26 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141890	05/28/26 13:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141945	05/28/26 13:46	MNR	EET MID
Total/NA	Analysis	8015 NM		1			141955	05/28/26 05:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141884	05/27/26 17:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141875	05/28/26 05:50	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	141880	05/27/26 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141888	05/28/26 10:10	SMC	EET MID

Client Sample ID: CS-106 (2.0')

Lab Sample ID: 880-72791-9
Matrix: Solid
Date Collected: 05/27/26 09:25
Date Received: 05/27/26 15:33

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	141906	05/28/26 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141890	05/28/26 14:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141945	05/28/26 14:06	MNR	EET MID
Total/NA	Analysis	8015 NM		1			141955	05/28/26 06:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141884	05/27/26 17:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141875	05/28/26 06:11	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	141880	05/27/26 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141888	05/28/26 10:15	SMC	EET MID

Client Sample ID: CS-107 (2.0')

Lab Sample ID: 880-72791-10
Matrix: Solid
Date Collected: 05/27/26 12:03
Date Received: 05/27/26 15:33

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	141906	05/28/26 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141890	05/28/26 14:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141945	05/28/26 14:27	MNR	EET MID
Total/NA	Analysis	8015 NM		1			141955	05/28/26 08:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141884	05/27/26 17:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141875	05/28/26 08:42	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	141880	05/27/26 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141888	05/28/26 10:20	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

Client Sample ID: CS-108 (2.0')

Lab Sample ID: 880-72791-11
Matrix: Solid
Date Collected: 05/27/26 12:06
Date Received: 05/27/26 15:33

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	141908	05/28/26 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141892	05/28/26 11:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141945	05/28/26 11:23	MNR	EET MID
Total/NA	Analysis	8015 NM		1			141955	05/28/26 09:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	141884	05/27/26 17:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141875	05/28/26 09:23	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	141880	05/27/26 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141888	05/28/26 10:25	SMC	EET MID

Client Sample ID: CS-109 (2.0')

Lab Sample ID: 880-72791-12
Matrix: Solid
Date Collected: 05/27/26 12:09
Date Received: 05/27/26 15:33

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	141908	05/28/26 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141892	05/28/26 11:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141945	05/28/26 11:43	MNR	EET MID
Total/NA	Analysis	8015 NM		1			141955	05/28/26 09:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	141884	05/27/26 17:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141875	05/28/26 09:43	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	141880	05/27/26 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141888	05/28/26 10:40	SMC	EET MID

Client Sample ID: CS-110 (2.0')

Lab Sample ID: 880-72791-13
Matrix: Solid
Date Collected: 05/27/26 12:12
Date Received: 05/27/26 15:33

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	141908	05/28/26 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141892	05/28/26 12:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141945	05/28/26 12:04	MNR	EET MID
Total/NA	Analysis	8015 NM		1			141955	05/28/26 10:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141884	05/27/26 17:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141875	05/28/26 10:04	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	141880	05/27/26 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141888	05/28/26 10:45	SMC	EET MID

Client Sample ID: CS-111 (2.0')

Lab Sample ID: 880-72791-14
Matrix: Solid
Date Collected: 05/27/26 12:15
Date Received: 05/27/26 15:33

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	141908	05/28/26 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141892	05/28/26 12:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141945	05/28/26 12:24	MNR	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

Client Sample ID: CS-111 (2.0')

Lab Sample ID: 880-72791-14
Matrix: Solid
Date Collected: 05/27/26 12:15
Date Received: 05/27/26 15:33

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			141955	05/28/26 10:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	141884	05/27/26 17:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141875	05/28/26 10:24	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	141880	05/27/26 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141888	05/28/26 11:00	SMC	EET MID

Client Sample ID: CS-112 (2.0')

Lab Sample ID: 880-72791-15
Matrix: Solid
Date Collected: 05/27/26 12:18
Date Received: 05/27/26 15:33

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	141908	05/28/26 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141892	05/28/26 12:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141945	05/28/26 12:45	MNR	EET MID
Total/NA	Analysis	8015 NM		1			141955	05/28/26 10:45	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	141884	05/27/26 17:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141875	05/28/26 10:45	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	141880	05/27/26 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141888	05/28/26 11:05	SMC	EET MID

Client Sample ID: CS-113 (2.0')

Lab Sample ID: 880-72791-16
Matrix: Solid
Date Collected: 05/27/26 12:21
Date Received: 05/27/26 15:33

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	141908	05/28/26 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141892	05/28/26 13:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141945	05/28/26 13:05	MNR	EET MID
Total/NA	Analysis	8015 NM		1			141955	05/28/26 11:05	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	141884	05/27/26 17:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141875	05/28/26 11:05	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	141880	05/27/26 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141888	05/28/26 11:10	SMC	EET MID

Client Sample ID: CS-114 (2.0')

Lab Sample ID: 880-72791-17
Matrix: Solid
Date Collected: 05/27/26 12:24
Date Received: 05/27/26 15:33

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	141908	05/28/26 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141892	05/28/26 13:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141945	05/28/26 13:26	MNR	EET MID
Total/NA	Analysis	8015 NM		1			141955	05/28/26 11:26	SA	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10.00 mL	141884	05/27/26 17:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141875	05/28/26 11:26	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

Client Sample ID: CS-114 (2.0')

Date Collected: 05/27/26 12:24
Date Received: 05/27/26 15:33

Lab Sample ID: 880-72791-17

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			5.03 g	50 mL	141880	05/27/26 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141888	05/28/26 11:15	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-72791-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. 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: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72791-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-72791-1	CS-98 (2.0')	Solid	05/27/26 09:01	05/27/26 15:33	New Mexico
880-72791-2	CS-99 (2.0')	Solid	05/27/26 09:04	05/27/26 15:33	New Mexico
880-72791-3	CS-100 (2.0')	Solid	05/27/26 09:07	05/27/26 15:33	New Mexico
880-72791-4	CS-101 (2.0')	Solid	05/27/26 09:10	05/27/26 15:33	New Mexico
880-72791-5	CS-102 (2.0')	Solid	05/27/26 09:13	05/27/26 15:33	New Mexico
880-72791-6	CS-103 (2.0')	Solid	05/27/26 09:16	05/27/26 15:33	New Mexico
880-72791-7	CS-104 (2.0')	Solid	05/27/26 09:19	05/27/26 15:33	New Mexico
880-72791-8	CS-105 (2.0')	Solid	05/27/26 09:22	05/27/26 15:33	New Mexico
880-72791-9	CS-106 (2.0')	Solid	05/27/26 09:25	05/27/26 15:33	New Mexico
880-72791-10	CS-107 (2.0')	Solid	05/27/26 12:03	05/27/26 15:33	New Mexico
880-72791-11	CS-108 (2.0')	Solid	05/27/26 12:06	05/27/26 15:33	New Mexico
880-72791-12	CS-109 (2.0')	Solid	05/27/26 12:09	05/27/26 15:33	New Mexico
880-72791-13	CS-110 (2.0')	Solid	05/27/26 12:12	05/27/26 15:33	New Mexico
880-72791-14	CS-111 (2.0')	Solid	05/27/26 12:15	05/27/26 15:33	New Mexico
880-72791-15	CS-112 (2.0')	Solid	05/27/26 12:18	05/27/26 15:33	New Mexico
880-72791-16	CS-113 (2.0')	Solid	05/27/26 12:21	05/27/26 15:33	New Mexico
880-72791-17	CS-114 (2.0')	Solid	05/27/26 12:24	05/27/26 15:33	New Mexico

Page 630 of 957

Chain of Custody

880-72791 Chain of Custody

880-72791 COC

5/28/2026

Page 1 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	24 hr
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.6
Total Containers:		Corrected Temperature:	4.7

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS-98 (2.0')	5/27/2026	9:01	X		Comp	1	X	X	X		
CS-99 (2.0')	5/27/2026	9:04	X		Comp	1	X	X	X		
CS-100 (2.0')	5/27/2026	9:07	X		Comp	1	X	X	X		
CS-101 (2.0')	5/27/2026	9:10	X		Comp	1	X	X	X		
CS-102 (2.0')	5/27/2026	9:13	X		Comp	1	X	X	X		
CS-103 (2.0')	5/27/2026	9:16	X		Comp	1	X	X	X		
CS-104 (2.0')	5/27/2026	9:19	X		Comp	1	X	X	X		
CS-105 (2.0')	5/27/2026	9:22	X		Comp	1	X	X	X		
CS-106 (2.0')	5/27/2026	9:25	X		Comp	1	X	X	X		
CS-107 (2.0')	5/27/2026	12:03	X		Comp	1	X	X	X		

Preservative Codes

None: NO	DI Water: H_2O
Cool: Cool	MeOH: Me
HCL: HC	HNO_3: HN
H_2S0_4: H_2	NaOH: Na
H_3PO_4: HP	
$NaHSO_4$: NABIS	
$Na_2S_2O_3$: $NaSO_3$	
Zn Acetate+NaOH: Zn	
NaOH+Ascorbic Acid: SAPC	

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5.27.26 1533		5.27.26 1533

Page 43 of 45

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Page 631 of 957

Chain of Custody

Work Order No: _____

5/28/2026

Page 2 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	24 hr
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.6
Total Containers:		Corrected Temperature:	4.7

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS-108 (2.0')	5/27/2026	12:06	X		Comp	1		X	X	X		
CS-109 (2.0')	5/27/2026	12:09	X		Comp	1		X	X	X		
CS-110 (2.0')	5/27/2026	12:12	X		Comp	1		X	X	X		
CS-111 (2.0')	5/27/2026	12:15	X		Comp	1		X	X	X		
CS-112 (2.0')	5/27/2026	12:18	X		Comp	1		X	X	X		
CS-113 (2.0')	5/27/2026	12:21	X		Comp	1		X	X	X		
CS-114 (2.0')	5/27/2026	12:24	X		Comp	1		X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5.27 1533		5.27 1533

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-72791-1
SDG Number: Lea County New Mexico

Login Number: 72791
List Number: 1
Creator: Neeld, Linsey

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.	True	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/28/2026 5:25:13 PM

JOB DESCRIPTION

Matador Gavalon (03.13.2026)
Lea County New Mexico

JOB NUMBER

880-72792-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 6/23/2026 8:46:47 AM

my EOL

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
5/28/2026 5:25:13 PM

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

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Laboratory Job ID: 880-72792-1
SDG: Lea County New Mexico

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 7
Surrogate Summary 19
QC Sample Results 21
QC Association Summary 31
Lab Chronicle 36
Certification Summary 41
Method Summary 42
Sample Summary 43
Chain of Custody 44
Receipt Checklists 46

Definitions/Glossary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
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.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1

Job ID: 880-72792-1 Eurofins Midland

Job Narrative
880-72792-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 5/27/2026 3:33 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 4.7°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SW-29(2.0') (880-72792-1), SW-30(2.0') (880-72792-2), SW-31(2.0') (880-72792-3), SW-32(2.0') (880-72792-4), SW-33(2.0') (880-72792-5), SW-34(2.0') (880-72792-6), SW-35(2.0') (880-72792-7), SW-36(2.0') (880-72792-8), SW-37(2.0') (880-72792-9), SW-38(0.5'-2.0') (880-72792-10), SW-39(2.0') (880-72792-11), SW-40(2.0') (880-72792-12), SW-41(2.0') (880-72792-13), SW-42(2.0') (880-72792-14) and SW-43(2.0') (880-72792-15).

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-141907 and analytical batch 880-141855 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 samples were outside the upper control limit: SW-29(2.0') (880-72792-1), SW-30(2.0') (880-72792-2), SW-32(2.0') (880-72792-4), SW-34(2.0') (880-72792-6) and SW-38(0.5'-2.0') (880-72792-10). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-141474 and analytical batch 880-141896 was outside the upper control limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-141474 and analytical batch 880-141896 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.

Diesel Range Organics
Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-141884/2-A), (LCSD 880-141884/3-A) and (MB 880-141884/1-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (880-72792-A-4-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: SW-36(2.0') (880-72792-8), SW-40(2.0') (880-72792-12), SW-43(2.0') (880-72792-15), (LCSD 880-141885/3-A) and (MB 880-141885/1-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: SW-42(2.0') (880-72792-14). Evidence of matrix interferences is not obvious.

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1

Job ID: 880-72792-1 (Continued) Eurofins Midland

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-141884 and analytical batch 880-141875 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 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-141885 and analytical batch 880-141877 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.

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

Client Sample ID: SW-29(2.0')

Lab Sample ID: 880-72792-1
Matrix: Solid
Date Collected: 05/27/26 09:53
Date Received: 05/27/26 15:33

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		05/28/26 10:17	05/28/26 11:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:17	05/28/26 11:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:17	05/28/26 11:24	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/28/26 10:17	05/28/26 11:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:17	05/28/26 11:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/28/26 10:17	05/28/26 11:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*142*	*S1+*	*70 - 130*	*05/28/26 10:17*	*05/28/26 11:24*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*05/28/26 10:17*	*05/28/26 11:24*	*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			05/28/26 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/28/26 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	<50.1	U	50.1		mg/Kg		05/27/26 17:15	05/28/26 11:46	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/27/26 17:15	05/28/26 11:46	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/27/26 17:15	05/28/26 11:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*115*		*70 - 130*	*05/27/26 17:15*	*05/28/26 11:46*	*1*
o-Terphenyl (Surr)	*119*		*70 - 130*	*05/27/26 17:15*	*05/28/26 11:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/28/26 11:20	1

Client Sample ID: SW-30(2.0')

Lab Sample ID: 880-72792-2
Matrix: Solid
Date Collected: 05/27/26 09:56
Date Received: 05/27/26 15:33

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		05/28/26 10:17	05/28/26 11:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/28/26 10:17	05/28/26 11:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/28/26 10:17	05/28/26 11:44	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/28/26 10:17	05/28/26 11:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/28/26 10:17	05/28/26 11:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/28/26 10:17	05/28/26 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*142*	*S1+*	*70 - 130*	*05/28/26 10:17*	*05/28/26 11:44*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*05/28/26 10:17*	*05/28/26 11:44*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

Client Sample ID: SW-30(2.0')

Date Collected: 05/27/26 09:56
Date Received: 05/27/26 15:33

Lab Sample ID: 880-72792-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/28/26 11:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			05/28/26 12:07	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	<50.2	U	50.2		mg/Kg		05/27/26 17:15	05/28/26 12:07	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		05/27/26 17:15	05/28/26 12:07	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		05/27/26 17:15	05/28/26 12:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*108*		*70 - 130*	*05/27/26 17:15*	*05/28/26 12:07*	*1*
o-Terphenyl (Surr)	*112*		*70 - 130*	*05/27/26 17:15*	*05/28/26 12:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/28/26 11:25	1

Client Sample ID: SW-31(2.0')

Date Collected: 05/27/26 09:59
Date Received: 05/27/26 15:33

Lab Sample ID: 880-72792-3
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		05/28/26 10:17	05/28/26 12:05	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/28/26 10:17	05/28/26 12:05	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/28/26 10:17	05/28/26 12:05	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/28/26 10:17	05/28/26 12:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/28/26 10:17	05/28/26 12:05	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/28/26 10:17	05/28/26 12:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*05/28/26 10:17*	*05/28/26 12:05*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*05/28/26 10:17*	*05/28/26 12:05*	*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			05/28/26 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/28/26 12:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/27/26 17:15	05/28/26 12:27	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/27/26 17:15	05/28/26 12:27	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

Client Sample ID: SW-31(2.0')

Lab Sample ID: 880-72792-3
Matrix: Solid
Date Collected: 05/27/26 09:59
Date Received: 05/27/26 15:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/27/26 17:15	05/28/26 12:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*87*		*70 - 130*	*05/27/26 17:15*	*05/28/26 12:27*	*1*
o-Terphenyl (Surr)	*87*		*70 - 130*	*05/27/26 17:15*	*05/28/26 12:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			05/28/26 09:36	1

Client Sample ID: SW-32(2.0')

Lab Sample ID: 880-72792-4
Matrix: Solid
Date Collected: 05/27/26 10:02
Date Received: 05/27/26 15:33

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		05/28/26 10:17	05/28/26 12:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/28/26 10:17	05/28/26 12:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/28/26 10:17	05/28/26 12:25	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/28/26 10:17	05/28/26 12:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/28/26 10:17	05/28/26 12:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/28/26 10:17	05/28/26 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*05/28/26 10:17*	*05/28/26 12:25*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*05/28/26 10:17*	*05/28/26 12:25*	*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			05/28/26 12:25	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			05/28/26 02:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	49.9		mg/Kg		05/27/26 17:18	05/28/26 02:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U F2 F1	49.9		mg/Kg		05/27/26 17:18	05/28/26 02:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/27/26 17:18	05/28/26 02:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*76*		*70 - 130*	*05/27/26 17:18*	*05/28/26 02:44*	*1*
o-Terphenyl (Surr)	*91*		*70 - 130*	*05/27/26 17:18*	*05/28/26 02:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			05/28/26 09:52	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

Client Sample ID: SW-33(2.0')

Date Collected: 05/27/26 10:05
Date Received: 05/27/26 15:33

Lab Sample ID: 880-72792-5
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		05/28/26 10:17	05/28/26 12:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:17	05/28/26 12:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:17	05/28/26 12:46	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/28/26 10:17	05/28/26 12:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:17	05/28/26 12:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/28/26 10:17	05/28/26 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*05/28/26 10:17*	*05/28/26 12:46*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*05/28/26 10:17*	*05/28/26 12:46*	*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			05/28/26 12:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/28/26 03:46	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	<49.9	U	49.9		mg/Kg		05/27/26 17:18	05/28/26 03:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/27/26 17:18	05/28/26 03:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/27/26 17:18	05/28/26 03:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*88*		*70 - 130*	*05/27/26 17:18*	*05/28/26 03:46*	*1*
o-Terphenyl (Surr)	*95*		*70 - 130*	*05/27/26 17:18*	*05/28/26 03:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.6**		9.92		mg/Kg			05/28/26 09:57	1

Client Sample ID: SW-34(2.0')

Date Collected: 05/27/26 10:08
Date Received: 05/27/26 15:33

Lab Sample ID: 880-72792-6
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		05/28/26 10:17	05/28/26 13:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:17	05/28/26 13:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:17	05/28/26 13:07	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/28/26 10:17	05/28/26 13:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:17	05/28/26 13:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/28/26 10:17	05/28/26 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*	*05/28/26 10:17*	*05/28/26 13:07*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*05/28/26 10:17*	*05/28/26 13:07*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

Client Sample ID: SW-34(2.0')

Lab Sample ID: 880-72792-6
Matrix: Solid
Date Collected: 05/27/26 10:08
Date Received: 05/27/26 15:33

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			05/28/26 13:07	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			05/28/26 04:06	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		05/27/26 17:18	05/28/26 04:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/27/26 17:18	05/28/26 04:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/27/26 17:18	05/28/26 04:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*77*		*70 - 130*	*05/27/26 17:18*	*05/28/26 04:06*	*1*
o-Terphenyl (Surr)	*90*		*70 - 130*	*05/27/26 17:18*	*05/28/26 04:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			05/28/26 10:02	1

Client Sample ID: SW-35(2.0')

Lab Sample ID: 880-72792-7
Matrix: Solid
Date Collected: 05/27/26 10:11
Date Received: 05/27/26 15:33

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		05/28/26 10:17	05/28/26 13:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/28/26 10:17	05/28/26 13:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/28/26 10:17	05/28/26 13:27	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/28/26 10:17	05/28/26 13:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/28/26 10:17	05/28/26 13:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/28/26 10:17	05/28/26 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*05/28/26 10:17*	*05/28/26 13:27*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*05/28/26 10:17*	*05/28/26 13:27*	*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			05/28/26 13:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/28/26 04:27	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		05/27/26 17:18	05/28/26 04:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/27/26 17:18	05/28/26 04:27	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

Client Sample ID: SW-35(2.0')

Lab Sample ID: 880-72792-7
Matrix: Solid
Date Collected: 05/27/26 10:11
Date Received: 05/27/26 15:33

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		05/27/26 17:18	05/28/26 04:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*80*		*70 - 130*	*05/27/26 17:18*	*05/28/26 04:27*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*05/27/26 17:18*	*05/28/26 04:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			05/28/26 10:07	1

Client Sample ID: SW-36(2.0')

Lab Sample ID: 880-72792-8
Matrix: Solid
Date Collected: 05/27/26 10:14
Date Received: 05/27/26 15:33

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		05/28/26 10:17	05/28/26 13:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/28/26 10:17	05/28/26 13:48	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/28/26 10:17	05/28/26 13:48	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/28/26 10:17	05/28/26 13:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/28/26 10:17	05/28/26 13:48	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/28/26 10:17	05/28/26 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/28/26 10:17*	*05/28/26 13:48*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/28/26 10:17*	*05/28/26 13:48*	*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			05/28/26 13:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/28/26 04:48	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		05/27/26 17:18	05/28/26 04:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/27/26 17:18	05/28/26 04:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/27/26 17:18	05/28/26 04:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*55*	*S1-*	*70 - 130*	*05/27/26 17:18*	*05/28/26 04:48*	*1*
o-Terphenyl (Surr)	*64*	*S1-*	*70 - 130*	*05/27/26 17:18*	*05/28/26 04:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			05/28/26 10:23	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

Client Sample ID: SW-37(2.0')

Lab Sample ID: 880-72792-9
Matrix: Solid
Date Collected: 05/27/26 10:17
Date Received: 05/27/26 15:33

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		05/28/26 10:17	05/28/26 14:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/28/26 10:17	05/28/26 14:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/28/26 10:17	05/28/26 14:08	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/28/26 10:17	05/28/26 14:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/28/26 10:17	05/28/26 14:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/28/26 10:17	05/28/26 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*05/28/26 10:17*	*05/28/26 14:08*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*05/28/26 10:17*	*05/28/26 14:08*	*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			05/28/26 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/28/26 05:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/27/26 17:18	05/28/26 05:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/27/26 17:18	05/28/26 05:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/27/26 17:18	05/28/26 05:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*05/27/26 17:18*	*05/28/26 05:08*	*1*
o-Terphenyl (Surr)	*104*		*70 - 130*	*05/27/26 17:18*	*05/28/26 05:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/28/26 10:28	1

Client Sample ID: SW-38(0.5'-2.0')

Lab Sample ID: 880-72792-10
Matrix: Solid
Date Collected: 05/27/26 10:20
Date Received: 05/27/26 15:33

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		05/28/26 10:17	05/28/26 14:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:17	05/28/26 14:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:17	05/28/26 14:29	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/28/26 10:17	05/28/26 14:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:17	05/28/26 14:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/28/26 10:17	05/28/26 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*05/28/26 10:17*	*05/28/26 14:29*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*05/28/26 10:17*	*05/28/26 14:29*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

Client Sample ID: SW-38(0.5'-2.0')

Lab Sample ID: 880-72792-10
Matrix: Solid
Date Collected: 05/27/26 10:20
Date Received: 05/27/26 15:33

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			05/28/26 14:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/28/26 05:29	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		05/27/26 17:18	05/28/26 05:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/27/26 17:18	05/28/26 05:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/27/26 17:18	05/28/26 05:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*05/27/26 17:18*	*05/28/26 05:29*	*1*
o-Terphenyl (Surr)	*110*		*70 - 130*	*05/27/26 17:18*	*05/28/26 05:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			05/28/26 10:33	1

Client Sample ID: SW-39(2.0')

Lab Sample ID: 880-72792-11
Matrix: Solid
Date Collected: 05/27/26 10:23
Date Received: 05/27/26 15:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		05/28/26 10:03	05/28/26 11:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:03	05/28/26 11:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:03	05/28/26 11:31	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/28/26 10:03	05/28/26 11:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:03	05/28/26 11:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/28/26 10:03	05/28/26 11:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*05/28/26 10:03*	*05/28/26 11:31*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/28/26 10:03*	*05/28/26 11:31*	*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			05/28/26 11:31	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			05/28/26 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	<50.0	U	50.0		mg/Kg		05/27/26 17:18	05/28/26 05:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/27/26 17:18	05/28/26 05:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

Client Sample ID: SW-39(2.0')

Lab Sample ID: 880-72792-11
Matrix: Solid
Date Collected: 05/27/26 10:23
Date Received: 05/27/26 15:33

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		05/27/26 17:18	05/28/26 05:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*73*		*70 - 130*	*05/27/26 17:18*	*05/28/26 05:50*	*1*
o-Terphenyl (Surr)	*72*		*70 - 130*	*05/27/26 17:18*	*05/28/26 05:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.8**		10.0		mg/Kg			05/28/26 10:38	1

Client Sample ID: SW-40(2.0')

Lab Sample ID: 880-72792-12
Matrix: Solid
Date Collected: 05/27/26 10:26
Date Received: 05/27/26 15:33

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		05/28/26 10:03	05/28/26 11:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/28/26 10:03	05/28/26 11:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/28/26 10:03	05/28/26 11:52	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/28/26 10:03	05/28/26 11:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/28/26 10:03	05/28/26 11:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/28/26 10:03	05/28/26 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*05/28/26 10:03*	*05/28/26 11:52*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/28/26 10:03*	*05/28/26 11:52*	*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			05/28/26 11:52	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			05/28/26 06:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/27/26 17:18	05/28/26 06:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/27/26 17:18	05/28/26 06:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/27/26 17:18	05/28/26 06:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*60*	*S1-*	*70 - 130*	*05/27/26 17:18*	*05/28/26 06:11*	*1*
o-Terphenyl (Surr)	*57*	*S1-*	*70 - 130*	*05/27/26 17:18*	*05/28/26 06:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**68.3**		10.0		mg/Kg			05/28/26 10:43	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

Client Sample ID: SW-41(2.0')

Date Collected: 05/27/26 10:29
Date Received: 05/27/26 15:33

Lab Sample ID: 880-72792-13
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		05/28/26 10:03	05/28/26 12:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/28/26 10:03	05/28/26 12:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/28/26 10:03	05/28/26 12:13	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/28/26 10:03	05/28/26 12:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/28/26 10:03	05/28/26 12:13	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/28/26 10:03	05/28/26 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*05/28/26 10:03*	*05/28/26 12:13*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/28/26 10:03*	*05/28/26 12:13*	*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			05/28/26 12:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**161**		49.9		mg/Kg			05/28/26 08:42	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		05/27/26 17:18	05/28/26 08:42	1
Diesel Range Organics (Over C10-C28)	**161**		49.9		mg/Kg		05/27/26 17:18	05/28/26 08:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/27/26 17:18	05/28/26 08:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*103*		*70 - 130*	*05/27/26 17:18*	*05/28/26 08:42*	*1*
o-Terphenyl (Surr)	*130*		*70 - 130*	*05/27/26 17:18*	*05/28/26 08:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**84.5**		9.94		mg/Kg			05/28/26 10:49	1

Client Sample ID: SW-42(2.0')

Date Collected: 05/27/26 10:32
Date Received: 05/27/26 15:33

Lab Sample ID: 880-72792-14
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		05/28/26 09:48	05/28/26 15:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/28/26 09:48	05/28/26 15:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/28/26 09:48	05/28/26 15:13	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/28/26 09:48	05/28/26 15:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/28/26 09:48	05/28/26 15:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/28/26 09:48	05/28/26 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*05/28/26 09:48*	*05/28/26 15:13*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*05/28/26 09:48*	*05/28/26 15:13*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

Client Sample ID: SW-42(2.0')

Lab Sample ID: 880-72792-14
Matrix: Solid
Date Collected: 05/27/26 10:32
Date Received: 05/27/26 15:33

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			05/28/26 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/28/26 09:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/27/26 17:18	05/28/26 09:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/27/26 17:18	05/28/26 09:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/27/26 17:18	05/28/26 09:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*63*	*S1-*	*70 - 130*	*05/27/26 17:18*	*05/28/26 09:23*	*1*
o-Terphenyl (Surr)	*72*		*70 - 130*	*05/27/26 17:18*	*05/28/26 09:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			05/28/26 11:04	1

Client Sample ID: SW-43(2.0')

Lab Sample ID: 880-72792-15
Matrix: Solid
Date Collected: 05/27/26 10:35
Date Received: 05/27/26 15:33

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		05/28/26 09:48	05/28/26 15:34	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/28/26 09:48	05/28/26 15:34	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/28/26 09:48	05/28/26 15:34	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/28/26 09:48	05/28/26 15:34	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/28/26 09:48	05/28/26 15:34	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/28/26 09:48	05/28/26 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*05/28/26 09:48*	*05/28/26 15:34*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/28/26 09:48*	*05/28/26 15:34*	*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			05/28/26 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/28/26 09:43	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	<50.1	U	50.1		mg/Kg		05/27/26 17:18	05/28/26 09:43	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/27/26 17:18	05/28/26 09:43	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

Client Sample ID: SW-43(2.0')
Date Collected: 05/27/26 10:35
Date Received: 05/27/26 15:33

Lab Sample ID: 880-72792-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/27/26 17:18	05/28/26 09:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*55*	*S1-*	*70 - 130*	*05/27/26 17:18*	*05/28/26 09:43*	*1*
o-Terphenyl (Surr)	*64*	*S1-*	*70 - 130*	*05/27/26 17:18*	*05/28/26 09:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			05/28/26 11:09	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-72537-A-41-D MS	Matrix Spike	112	98
880-72537-A-41-E MSD	Matrix Spike Duplicate	302 S1+	137 S1+
880-72792-1	SW-29(2.0')	142 S1+	118
880-72792-1 MS	SW-29(2.0')	122	105
880-72792-1 MSD	SW-29(2.0')	106	102
880-72792-2	SW-30(2.0')	142 S1+	120
880-72792-3	SW-31(2.0')	124	117
880-72792-4	SW-32(2.0')	132 S1+	114
880-72792-5	SW-33(2.0')	122	112
880-72792-6	SW-34(2.0')	143 S1+	112
880-72792-7	SW-35(2.0')	121	110
880-72792-8	SW-36(2.0')	110	103
880-72792-9	SW-37(2.0')	114	111
880-72792-10	SW-38(0.5'-2.0')	134 S1+	120
880-72792-11	SW-39(2.0')	104	101
880-72792-11 MS	SW-39(2.0')	102	99
880-72792-11 MSD	SW-39(2.0')	103	102
880-72792-12	SW-40(2.0')	106	104
880-72792-13	SW-41(2.0')	99	96
880-72792-14	SW-42(2.0')	115	89
880-72792-15	SW-43(2.0')	125	99
LCS 880-141474/1-A	Lab Control Sample	106	106
LCS 880-141907/1-A	Lab Control Sample	103	102
LCS 880-141909/1-A	Lab Control Sample	102	109
LCSD 880-141474/2-A	Lab Control Sample Dup	96	109
LCSD 880-141907/2-A	Lab Control Sample Dup	105	101
LCSD 880-141909/2-A	Lab Control Sample Dup	101	104
MB 880-141474/5-A	Method Blank	229 S1+	109
MB 880-141907/5-A	Method Blank	94	95
MB 880-141909/5-A	Method Blank	120	105

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)
880-72791-A-1-E MS	Matrix Spike	100	94
880-72791-A-1-F MSD	Matrix Spike Duplicate	98	93
880-72792-1	SW-29(2.0')	115	119
880-72792-2	SW-30(2.0')	108	112
880-72792-3	SW-31(2.0')	87	87
880-72792-4	SW-32(2.0')	76	91
880-72792-4 MS	SW-32(2.0')	84	84
880-72792-4 MSD	SW-32(2.0')	48 S1-	50 S1-
880-72792-5	SW-33(2.0')	88	95

Surrogate Summary

Client: Carmona Resources
Job ID: 880-72792-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County New Mexico

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-72792-6	SW-34(2.0')	77	90										
880-72792-7	SW-35(2.0')	80	93										
880-72792-8	SW-36(2.0')	55 S1-	64 S1-										
880-72792-9	SW-37(2.0')	92	104										
880-72792-10	SW-38(0.5'-2.0')	99	110										
880-72792-11	SW-39(2.0')	73	72										
880-72792-12	SW-40(2.0')	60 S1-	57 S1-										
880-72792-13	SW-41(2.0')	103	130										
880-72792-14	SW-42(2.0')	63 S1-	72										
880-72792-15	SW-43(2.0')	55 S1-	64 S1-										
LCS 880-141884/2-A	Lab Control Sample	190 S1+	180 S1+										
LCS 880-141885/2-A	Lab Control Sample	119	125										
LCSD 880-141884/3-A	Lab Control Sample Dup	163 S1+	155 S1+										
LCSD 880-141885/3-A	Lab Control Sample Dup	139 S1+	153 S1+										
MB 880-141884/1-A	Method Blank	148 S1+	226 S1+										
MB 880-141885/1-A	Method Blank	141 S1+	206 S1+										

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-141474/5-A
Matrix: Solid
Analysis Batch: 141896

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141474

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/21/26 12:58	05/28/26 14:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/26 12:58	05/28/26 14:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/26 12:58	05/28/26 14:24	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/21/26 12:58	05/28/26 14:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/26 12:58	05/28/26 14:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/21/26 12:58	05/28/26 14:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*229*	*S1+*	*70 - 130*	*05/21/26 12:58*	*05/28/26 14:24*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*05/21/26 12:58*	*05/28/26 14:24*	*1*

Lab Sample ID: LCS 880-141474/1-A
Matrix: Solid
Analysis Batch: 141896

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141474

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1037		mg/Kg		104	70 - 130		
Toluene			0.100	0.08240		mg/Kg		82	70 - 130		
Ethylbenzene			0.100	0.08824		mg/Kg		88	70 - 130		
m,p-Xylenes			0.200	0.1961		mg/Kg		98	70 - 130		
o-Xylene			0.100	0.1141		mg/Kg		114	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-141474/2-A
Matrix: Solid
Analysis Batch: 141896

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141474

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09494		mg/Kg		95	70 - 130	9	35
Toluene			0.100	0.07469		mg/Kg		75	70 - 130	10	35
Ethylbenzene			0.100	0.09220		mg/Kg		92	70 - 130	4	35
m,p-Xylenes			0.200	0.1845		mg/Kg		92	70 - 130	6	35
o-Xylene			0.100	0.1060		mg/Kg		106	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: 880-72537-A-41-D MS
Matrix: Solid
Analysis Batch: 141896

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 141474

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.07990		mg/Kg		80	70 - 130		
Toluene	<0.00200	U F1	0.100	0.06899	F1	mg/Kg		69	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72537-A-41-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141896 — **Prep Batch: 141474**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F2 F1	0.100	0.08195		mg/Kg		82	70 - 130
m,p-Xylenes	<0.00399	U F2 F1	0.200	0.1647		mg/Kg		82	70 - 130
o-Xylene	<0.00200	U F2 F1	0.100	0.09694		mg/Kg		97	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-72537-A-41-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141896 — **Prep Batch: 141474**

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	0.09867		mg/Kg		99	70 - 130	21	35
Toluene	<0.00200	U F1	0.100	0.05862	F1	mg/Kg		59	70 - 130	16	35
Ethylbenzene	<0.00200	U F2 F1	0.100	0.1558	F1 F2	mg/Kg		156	70 - 130	62	35
m,p-Xylenes	<0.00399	U F2 F1	0.200	0.4047	F1 F2	mg/Kg		202	70 - 130	84	35
o-Xylene	<0.00200	U F2 F1	0.100	0.2511	F1 F2	mg/Kg		251	70 - 130	89	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*302*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*137*	*S1+*	*70 - 130*

Lab Sample ID: MB 880-141907/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141855 — **Prep Batch: 141907**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:03	05/28/26 11:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:03	05/28/26 11:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:03	05/28/26 11:09	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/28/26 10:03	05/28/26 11:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:03	05/28/26 11:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/28/26 10:03	05/28/26 11:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*05/28/26 10:03*	*05/28/26 11:09*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/28/26 10:03*	*05/28/26 11:09*	*1*

Lab Sample ID: LCS 880-141907/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141855 — **Prep Batch: 141907**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09405		mg/Kg		94	70 - 130
Toluene	0.100	0.09898		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.09529		mg/Kg		95	70 - 130
m,p-Xylenes	0.200	0.1953		mg/Kg		98	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-141907/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141855 — **Prep Batch: 141907**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.09932		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-141907/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141855 — **Prep Batch: 141907**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09129		mg/Kg		91	70 - 130	3	35
Toluene			0.100	0.09855		mg/Kg		99	70 - 130	0	35
Ethylbenzene			0.100	0.09666		mg/Kg		97	70 - 130	1	35
m,p-Xylenes			0.200	0.2005		mg/Kg		100	70 - 130	3	35
o-Xylene			0.100	0.09904		mg/Kg		99	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-72792-11 MS — **Client Sample ID: SW-39(2.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141855 — **Prep Batch: 141907**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U F1	0.100	0.06787	F1	mg/Kg		68	70 - 130		
Toluene	<0.00200	U	0.100	0.07316		mg/Kg		73	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.07437		mg/Kg		74	70 - 130		
m,p-Xylenes	<0.00399	U	0.200	0.1499		mg/Kg		75	70 - 130		
o-Xylene	<0.00200	U	0.100	0.07660		mg/Kg		77	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-72792-11 MSD — **Client Sample ID: SW-39(2.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141855 — **Prep Batch: 141907**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	0.07614		mg/Kg		76	70 - 130	11	35
Toluene	<0.00200	U	0.100	0.08073		mg/Kg		81	70 - 130	10	35
Ethylbenzene	<0.00200	U	0.100	0.07974		mg/Kg		80	70 - 130	7	35
m,p-Xylenes	<0.00399	U	0.200	0.1656		mg/Kg		83	70 - 130	10	35
o-Xylene	<0.00200	U	0.100	0.08430		mg/Kg		84	70 - 130	10	35

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72792-11 MSD
Matrix: Solid
Analysis Batch: 141855

Client Sample ID: SW-39(2.0')
Prep Type: Total/NA
Prep Batch: 141907

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: MB 880-141909/5-A
Matrix: Solid
Analysis Batch: 141894

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141909

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:17	05/28/26 11:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:17	05/28/26 11:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:17	05/28/26 11:02	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/28/26 10:17	05/28/26 11:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/28/26 10:17	05/28/26 11:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/28/26 10:17	05/28/26 11:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	05/28/26 10:17	05/28/26 11:02	1
1,4-Difluorobenzene (Surr)	105		70 - 130	05/28/26 10:17	05/28/26 11:02	1

Lab Sample ID: LCS 880-141909/1-A
Matrix: Solid
Analysis Batch: 141894

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141909

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1006		mg/Kg		101	70 - 130		
Toluene			0.100	0.09446		mg/Kg		94	70 - 130		
Ethylbenzene			0.100	0.07819		mg/Kg		78	70 - 130		
m,p-Xylenes			0.200	0.1848		mg/Kg		92	70 - 130		
o-Xylene			0.100	0.1007		mg/Kg		101	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: LCSD 880-141909/2-A
Matrix: Solid
Analysis Batch: 141894

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141909

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09477		mg/Kg		95	70 - 130	6	35
Toluene			0.100	0.08978		mg/Kg		90	70 - 130	5	35
Ethylbenzene			0.100	0.07992		mg/Kg		80	70 - 130	2	35
m,p-Xylenes			0.200	0.1823		mg/Kg		91	70 - 130	1	35
o-Xylene			0.100	0.09865		mg/Kg		99	70 - 130	2	35

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

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCSD 880-141909/2-A
Matrix: Solid
Analysis Batch: 141894

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141909

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

Lab Sample ID: 880-72792-1 MS
Matrix: Solid
Analysis Batch: 141894

Client Sample ID: SW-29(2.0')
Prep Type: Total/NA
Prep Batch: 141909

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.09171		mg/Kg		92	70 - 130		
Toluene	<0.00200	U	0.100	0.09179		mg/Kg		92	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.07590		mg/Kg		76	70 - 130		
m,p-Xylenes	<0.00399	U	0.200	0.2251		mg/Kg		113	70 - 130		
o-Xylene	<0.00200	U	0.100	0.1185		mg/Kg		119	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-72792-1 MSD
Matrix: Solid
Analysis Batch: 141894

Client Sample ID: SW-29(2.0')
Prep Type: Total/NA
Prep Batch: 141909

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	0.08339		mg/Kg		83	70 - 130	10	35
Toluene	<0.00200	U	0.100	0.07881		mg/Kg		79	70 - 130	15	35
Ethylbenzene	<0.00200	U	0.100	0.07647		mg/Kg		76	70 - 130	1	35
m,p-Xylenes	<0.00399	U	0.200	0.1876		mg/Kg		94	70 - 130	18	35
o-Xylene	<0.00200	U	0.100	0.09514		mg/Kg		95	70 - 130	22	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 880-141884/1-A
Matrix: Solid
Analysis Batch: 141875

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141884

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		05/27/26 17:15	05/28/26 01:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/27/26 17:15	05/28/26 01:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/27/26 17:15	05/28/26 01:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	148	S1+	70 - 130	05/27/26 17:15	05/28/26 01:44	1
o-Terphenyl (Surr)	226	S1+	70 - 130	05/27/26 17:15	05/28/26 01:44	1

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-141884/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141875 — **Prep Batch: 141884**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1044		mg/Kg		104	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1270		mg/Kg		127	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*190*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*180*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-141884/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141875 — **Prep Batch: 141884**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	926.1		mg/Kg		93	70 - 130	12	20
Diesel Range Organics (Over C10-C28)			1000	1213		mg/Kg		121	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*163*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*155*	*S1+*	*70 - 130*

Lab Sample ID: 880-72791-A-1-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141875 — **Prep Batch: 141884**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	999	654.7	F1	mg/Kg		62	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	791.7		mg/Kg		79	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*100*		*70 - 130*
o-Terphenyl (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-72791-A-1-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141875 — **Prep Batch: 141884**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	999	660.5	F1	mg/Kg		63	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	755.9		mg/Kg		76	70 - 130	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*98*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72791-A-1-F MSD
Matrix: Solid
Analysis Batch: 141875

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 141884

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl (Surr)	93		70 - 130

Lab Sample ID: MB 880-141885/1-A
Matrix: Solid
Analysis Batch: 141877

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141885

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		05/27/26 17:18	05/28/26 01:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/27/26 17:18	05/28/26 01:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/27/26 17:18	05/28/26 01:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	141	S1+	70 - 130	05/27/26 17:18	05/28/26 01:44	1
o-Terphenyl (Surr)	206	S1+	70 - 130	05/27/26 17:18	05/28/26 01:44	1

Lab Sample ID: LCS 880-141885/2-A
Matrix: Solid
Analysis Batch: 141877

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141885

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1018		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1110		mg/Kg		111	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	119		70 - 130
o-Terphenyl (Surr)	125		70 - 130

Lab Sample ID: LCSD 880-141885/3-A
Matrix: Solid
Analysis Batch: 141877

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141885

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1005		mg/Kg		101	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1282		mg/Kg		128	70 - 130	14	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	139	S1+	70 - 130
o-Terphenyl (Surr)	153	S1+	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72792-4 MS — **Client Sample ID: SW-32(2.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141877 — **Prep Batch: 141885**

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 F2	999	1200		mg/Kg		118	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F2 F1	999	576.0	F1	mg/Kg		55	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*84*		*70 - 130*
o-Terphenyl (Surr)	*84*		*70 - 130*

Lab Sample ID: 880-72792-4 MSD — **Client Sample ID: SW-32(2.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141877 — **Prep Batch: 141885**

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 F2	999	932.7	F2	mg/Kg		92	70 - 130	25	20
Diesel Range Organics (Over C10-C28)	<49.9	U F2 F1	999	338.3	F2 F1	mg/Kg		31	70 - 130	52	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*48*	*S1-*	*70 - 130*
o-Terphenyl (Surr)	*50*	*S1-*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-141880/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141888

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/28/26 08:40	1

Lab Sample ID: LCS 880-141880/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141888

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	229.5		mg/Kg		92	90 - 110

Lab Sample ID: LCSD 880-141880/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141888

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	235.9		mg/Kg		94	90 - 110	3	20

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-72791-A-11-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141888

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	57.4		249	291.4		mg/Kg		94	90 - 110

Lab Sample ID: 880-72791-A-11-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141888

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	57.4		249	295.9		mg/Kg		96	90 - 110	2	20

Lab Sample ID: MB 880-141881/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141891

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/28/26 09:01	1

Lab Sample ID: LCS 880-141881/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141891

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	237.0		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-141881/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141891

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	237.4		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-72792-3 MS — **Client Sample ID: SW-31(2.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141891

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<10.1	U	253	256.1		mg/Kg		99	90 - 110

Lab Sample ID: 880-72792-3 MSD — **Client Sample ID: SW-31(2.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141891

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<10.1	U	253	253.7		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-72792-13 MS — **Client Sample ID: SW-41(2.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 141891

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	84.5		249	340.8		mg/Kg		103	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-72792-13 MSD
Matrix: Solid
Analysis Batch: 141891

Client Sample ID: SW-41(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	84.5		249	340.0		mg/Kg		103	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

GC VOA

Prep Batch: 141474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72792-14	SW-42(2.0')	Total/NA	Solid	5035	
880-72792-15	SW-43(2.0')	Total/NA	Solid	5035	
MB 880-141474/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-141474/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-141474/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-72537-A-41-D MS	Matrix Spike	Total/NA	Solid	5035	
880-72537-A-41-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 141855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72792-11	SW-39(2.0')	Total/NA	Solid	8021B	141907
880-72792-12	SW-40(2.0')	Total/NA	Solid	8021B	141907
880-72792-13	SW-41(2.0')	Total/NA	Solid	8021B	141907
MB 880-141907/5-A	Method Blank	Total/NA	Solid	8021B	141907
LCS 880-141907/1-A	Lab Control Sample	Total/NA	Solid	8021B	141907
LCSD 880-141907/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	141907
880-72792-11 MS	SW-39(2.0')	Total/NA	Solid	8021B	141907
880-72792-11 MSD	SW-39(2.0')	Total/NA	Solid	8021B	141907

Analysis Batch: 141894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72792-1	SW-29(2.0')	Total/NA	Solid	8021B	141909
880-72792-2	SW-30(2.0')	Total/NA	Solid	8021B	141909
880-72792-3	SW-31(2.0')	Total/NA	Solid	8021B	141909
880-72792-4	SW-32(2.0')	Total/NA	Solid	8021B	141909
880-72792-5	SW-33(2.0')	Total/NA	Solid	8021B	141909
880-72792-6	SW-34(2.0')	Total/NA	Solid	8021B	141909
880-72792-7	SW-35(2.0')	Total/NA	Solid	8021B	141909
880-72792-8	SW-36(2.0')	Total/NA	Solid	8021B	141909
880-72792-9	SW-37(2.0')	Total/NA	Solid	8021B	141909
880-72792-10	SW-38(0.5'-2.0')	Total/NA	Solid	8021B	141909
MB 880-141909/5-A	Method Blank	Total/NA	Solid	8021B	141909
LCS 880-141909/1-A	Lab Control Sample	Total/NA	Solid	8021B	141909
LCSD 880-141909/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	141909
880-72792-1 MS	SW-29(2.0')	Total/NA	Solid	8021B	141909
880-72792-1 MSD	SW-29(2.0')	Total/NA	Solid	8021B	141909

Analysis Batch: 141896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72792-14	SW-42(2.0')	Total/NA	Solid	8021B	141474
880-72792-15	SW-43(2.0')	Total/NA	Solid	8021B	141474
MB 880-141474/5-A	Method Blank	Total/NA	Solid	8021B	141474
LCS 880-141474/1-A	Lab Control Sample	Total/NA	Solid	8021B	141474
LCSD 880-141474/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	141474
880-72537-A-41-D MS	Matrix Spike	Total/NA	Solid	8021B	141474
880-72537-A-41-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	141474

Prep Batch: 141907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72792-11	SW-39(2.0')	Total/NA	Solid	5035	
880-72792-12	SW-40(2.0')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

GC VOA (Continued)

Prep Batch: 141907 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72792-13	SW-41(2.0')	Total/NA	Solid	5035	
MB 880-141907/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-141907/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-141907/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-72792-11 MS	SW-39(2.0')	Total/NA	Solid	5035	
880-72792-11 MSD	SW-39(2.0')	Total/NA	Solid	5035	

Prep Batch: 141909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72792-1	SW-29(2.0')	Total/NA	Solid	5035	
880-72792-2	SW-30(2.0')	Total/NA	Solid	5035	
880-72792-3	SW-31(2.0')	Total/NA	Solid	5035	
880-72792-4	SW-32(2.0')	Total/NA	Solid	5035	
880-72792-5	SW-33(2.0')	Total/NA	Solid	5035	
880-72792-6	SW-34(2.0')	Total/NA	Solid	5035	
880-72792-7	SW-35(2.0')	Total/NA	Solid	5035	
880-72792-8	SW-36(2.0')	Total/NA	Solid	5035	
880-72792-9	SW-37(2.0')	Total/NA	Solid	5035	
880-72792-10	SW-38(0.5'-2.0')	Total/NA	Solid	5035	
MB 880-141909/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-141909/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-141909/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-72792-1 MS	SW-29(2.0')	Total/NA	Solid	5035	
880-72792-1 MSD	SW-29(2.0')	Total/NA	Solid	5035	

Analysis Batch: 141949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72792-1	SW-29(2.0')	Total/NA	Solid	Total BTEX	
880-72792-2	SW-30(2.0')	Total/NA	Solid	Total BTEX	
880-72792-3	SW-31(2.0')	Total/NA	Solid	Total BTEX	
880-72792-4	SW-32(2.0')	Total/NA	Solid	Total BTEX	
880-72792-5	SW-33(2.0')	Total/NA	Solid	Total BTEX	
880-72792-6	SW-34(2.0')	Total/NA	Solid	Total BTEX	
880-72792-7	SW-35(2.0')	Total/NA	Solid	Total BTEX	
880-72792-8	SW-36(2.0')	Total/NA	Solid	Total BTEX	
880-72792-9	SW-37(2.0')	Total/NA	Solid	Total BTEX	
880-72792-10	SW-38(0.5'-2.0')	Total/NA	Solid	Total BTEX	
880-72792-11	SW-39(2.0')	Total/NA	Solid	Total BTEX	
880-72792-12	SW-40(2.0')	Total/NA	Solid	Total BTEX	
880-72792-13	SW-41(2.0')	Total/NA	Solid	Total BTEX	
880-72792-14	SW-42(2.0')	Total/NA	Solid	Total BTEX	
880-72792-15	SW-43(2.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 141875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72792-1	SW-29(2.0')	Total/NA	Solid	8015B NM	141884
880-72792-2	SW-30(2.0')	Total/NA	Solid	8015B NM	141884
880-72792-3	SW-31(2.0')	Total/NA	Solid	8015B NM	141884
MB 880-141884/1-A	Method Blank	Total/NA	Solid	8015B NM	141884

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 141875 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-141884/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	141884
LCSD 880-141884/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	141884
880-72791-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	141884
880-72791-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	141884

Analysis Batch: 141877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72792-4	SW-32(2.0')	Total/NA	Solid	8015B NM	141885
880-72792-5	SW-33(2.0')	Total/NA	Solid	8015B NM	141885
880-72792-6	SW-34(2.0')	Total/NA	Solid	8015B NM	141885
880-72792-7	SW-35(2.0')	Total/NA	Solid	8015B NM	141885
880-72792-8	SW-36(2.0')	Total/NA	Solid	8015B NM	141885
880-72792-9	SW-37(2.0')	Total/NA	Solid	8015B NM	141885
880-72792-10	SW-38(0.5'-2.0')	Total/NA	Solid	8015B NM	141885
880-72792-11	SW-39(2.0')	Total/NA	Solid	8015B NM	141885
880-72792-12	SW-40(2.0')	Total/NA	Solid	8015B NM	141885
880-72792-13	SW-41(2.0')	Total/NA	Solid	8015B NM	141885
880-72792-14	SW-42(2.0')	Total/NA	Solid	8015B NM	141885
880-72792-15	SW-43(2.0')	Total/NA	Solid	8015B NM	141885
MB 880-141885/1-A	Method Blank	Total/NA	Solid	8015B NM	141885
LCS 880-141885/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	141885
LCSD 880-141885/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	141885
880-72792-4 MS	SW-32(2.0')	Total/NA	Solid	8015B NM	141885
880-72792-4 MSD	SW-32(2.0')	Total/NA	Solid	8015B NM	141885

Prep Batch: 141884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72792-1	SW-29(2.0')	Total/NA	Solid	8015NM Prep	
880-72792-2	SW-30(2.0')	Total/NA	Solid	8015NM Prep	
880-72792-3	SW-31(2.0')	Total/NA	Solid	8015NM Prep	
MB 880-141884/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-141884/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-141884/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-72791-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-72791-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 141885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72792-4	SW-32(2.0')	Total/NA	Solid	8015NM Prep	
880-72792-5	SW-33(2.0')	Total/NA	Solid	8015NM Prep	
880-72792-6	SW-34(2.0')	Total/NA	Solid	8015NM Prep	
880-72792-7	SW-35(2.0')	Total/NA	Solid	8015NM Prep	
880-72792-8	SW-36(2.0')	Total/NA	Solid	8015NM Prep	
880-72792-9	SW-37(2.0')	Total/NA	Solid	8015NM Prep	
880-72792-10	SW-38(0.5'-2.0')	Total/NA	Solid	8015NM Prep	
880-72792-11	SW-39(2.0')	Total/NA	Solid	8015NM Prep	
880-72792-12	SW-40(2.0')	Total/NA	Solid	8015NM Prep	
880-72792-13	SW-41(2.0')	Total/NA	Solid	8015NM Prep	
880-72792-14	SW-42(2.0')	Total/NA	Solid	8015NM Prep	
880-72792-15	SW-43(2.0')	Total/NA	Solid	8015NM Prep	
MB 880-141885/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Prep Batch: 141885 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-141885/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-141885/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-72792-4 MS	SW-32(2.0')	Total/NA	Solid	8015NM Prep	
880-72792-4 MSD	SW-32(2.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 141956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72792-1	SW-29(2.0')	Total/NA	Solid	8015 NM	
880-72792-2	SW-30(2.0')	Total/NA	Solid	8015 NM	
880-72792-3	SW-31(2.0')	Total/NA	Solid	8015 NM	
880-72792-4	SW-32(2.0')	Total/NA	Solid	8015 NM	
880-72792-5	SW-33(2.0')	Total/NA	Solid	8015 NM	
880-72792-6	SW-34(2.0')	Total/NA	Solid	8015 NM	
880-72792-7	SW-35(2.0')	Total/NA	Solid	8015 NM	
880-72792-8	SW-36(2.0')	Total/NA	Solid	8015 NM	
880-72792-9	SW-37(2.0')	Total/NA	Solid	8015 NM	
880-72792-10	SW-38(0.5'-2.0')	Total/NA	Solid	8015 NM	
880-72792-11	SW-39(2.0')	Total/NA	Solid	8015 NM	
880-72792-12	SW-40(2.0')	Total/NA	Solid	8015 NM	
880-72792-13	SW-41(2.0')	Total/NA	Solid	8015 NM	
880-72792-14	SW-42(2.0')	Total/NA	Solid	8015 NM	
880-72792-15	SW-43(2.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 141880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72792-1	SW-29(2.0')	Soluble	Solid	DI Leach	
880-72792-2	SW-30(2.0')	Soluble	Solid	DI Leach	
MB 880-141880/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-141880/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-141880/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-72791-A-11-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-72791-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 141881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72792-3	SW-31(2.0')	Soluble	Solid	DI Leach	
880-72792-4	SW-32(2.0')	Soluble	Solid	DI Leach	
880-72792-5	SW-33(2.0')	Soluble	Solid	DI Leach	
880-72792-6	SW-34(2.0')	Soluble	Solid	DI Leach	
880-72792-7	SW-35(2.0')	Soluble	Solid	DI Leach	
880-72792-8	SW-36(2.0')	Soluble	Solid	DI Leach	
880-72792-9	SW-37(2.0')	Soluble	Solid	DI Leach	
880-72792-10	SW-38(0.5'-2.0')	Soluble	Solid	DI Leach	
880-72792-11	SW-39(2.0')	Soluble	Solid	DI Leach	
880-72792-12	SW-40(2.0')	Soluble	Solid	DI Leach	
880-72792-13	SW-41(2.0')	Soluble	Solid	DI Leach	
880-72792-14	SW-42(2.0')	Soluble	Solid	DI Leach	
880-72792-15	SW-43(2.0')	Soluble	Solid	DI Leach	
MB 880-141881/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

HPLC/IC (Continued)

Leach Batch: 141881 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-141881/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-141881/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-72792-3 MS	SW-31(2.0')	Soluble	Solid	DI Leach	
880-72792-3 MSD	SW-31(2.0')	Soluble	Solid	DI Leach	
880-72792-13 MS	SW-41(2.0')	Soluble	Solid	DI Leach	
880-72792-13 MSD	SW-41(2.0')	Soluble	Solid	DI Leach	

Analysis Batch: 141888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72792-1	SW-29(2.0')	Soluble	Solid	300.0	141880
880-72792-2	SW-30(2.0')	Soluble	Solid	300.0	141880
MB 880-141880/1-A	Method Blank	Soluble	Solid	300.0	141880
LCS 880-141880/2-A	Lab Control Sample	Soluble	Solid	300.0	141880
LCSD 880-141880/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	141880
880-72791-A-11-B MS	Matrix Spike	Soluble	Solid	300.0	141880
880-72791-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	141880

Analysis Batch: 141891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72792-3	SW-31(2.0')	Soluble	Solid	300.0	141881
880-72792-4	SW-32(2.0')	Soluble	Solid	300.0	141881
880-72792-5	SW-33(2.0')	Soluble	Solid	300.0	141881
880-72792-6	SW-34(2.0')	Soluble	Solid	300.0	141881
880-72792-7	SW-35(2.0')	Soluble	Solid	300.0	141881
880-72792-8	SW-36(2.0')	Soluble	Solid	300.0	141881
880-72792-9	SW-37(2.0')	Soluble	Solid	300.0	141881
880-72792-10	SW-38(0.5'-2.0')	Soluble	Solid	300.0	141881
880-72792-11	SW-39(2.0')	Soluble	Solid	300.0	141881
880-72792-12	SW-40(2.0')	Soluble	Solid	300.0	141881
880-72792-13	SW-41(2.0')	Soluble	Solid	300.0	141881
880-72792-14	SW-42(2.0')	Soluble	Solid	300.0	141881
880-72792-15	SW-43(2.0')	Soluble	Solid	300.0	141881
MB 880-141881/1-A	Method Blank	Soluble	Solid	300.0	141881
LCS 880-141881/2-A	Lab Control Sample	Soluble	Solid	300.0	141881
LCSD 880-141881/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	141881
880-72792-3 MS	SW-31(2.0')	Soluble	Solid	300.0	141881
880-72792-3 MSD	SW-31(2.0')	Soluble	Solid	300.0	141881
880-72792-13 MS	SW-41(2.0')	Soluble	Solid	300.0	141881
880-72792-13 MSD	SW-41(2.0')	Soluble	Solid	300.0	141881

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

Client Sample ID: SW-29(2.0')

Lab Sample ID: 880-72792-1
Date Collected: 05/27/26 09:53
Matrix: Solid
Date Received: 05/27/26 15:33

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	141909	05/28/26 10:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141894	05/28/26 11:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141949	05/28/26 11:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			141956	05/28/26 11:46	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141884	05/27/26 17:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141875	05/28/26 11:46	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	141880	05/27/26 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141888	05/28/26 11:20	SMC	EET MID

Client Sample ID: SW-30(2.0')

Lab Sample ID: 880-72792-2
Date Collected: 05/27/26 09:56
Matrix: Solid
Date Received: 05/27/26 15:33

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	141909	05/28/26 10:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141894	05/28/26 11:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141949	05/28/26 11:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			141956	05/28/26 12:07	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	141884	05/27/26 17:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141875	05/28/26 12:07	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	141880	05/27/26 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141888	05/28/26 11:25	SMC	EET MID

Client Sample ID: SW-31(2.0')

Lab Sample ID: 880-72792-3
Date Collected: 05/27/26 09:59
Matrix: Solid
Date Received: 05/27/26 15:33

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	141909	05/28/26 10:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141894	05/28/26 12:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141949	05/28/26 12:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			141956	05/28/26 12:27	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141884	05/27/26 17:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141875	05/28/26 12:27	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	141881	05/27/26 16:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141891	05/28/26 09:36	SMC	EET MID

Client Sample ID: SW-32(2.0')

Lab Sample ID: 880-72792-4
Date Collected: 05/27/26 10:02
Matrix: Solid
Date Received: 05/27/26 15:33

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	141909	05/28/26 10:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141894	05/28/26 12:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141949	05/28/26 12:25	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

Client Sample ID: SW-32(2.0')

Lab Sample ID: 880-72792-4
Matrix: Solid
Date Collected: 05/27/26 10:02
Date Received: 05/27/26 15:33

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			141956	05/28/26 02:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141885	05/27/26 17:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141877	05/28/26 02:44	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	141881	05/27/26 16:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141891	05/28/26 09:52	SMC	EET MID

Client Sample ID: SW-33(2.0')

Lab Sample ID: 880-72792-5
Matrix: Solid
Date Collected: 05/27/26 10:05
Date Received: 05/27/26 15:33

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	141909	05/28/26 10:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141894	05/28/26 12:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141949	05/28/26 12:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			141956	05/28/26 03:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	141885	05/27/26 17:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141877	05/28/26 03:46	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	141881	05/27/26 16:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141891	05/28/26 09:57	SMC	EET MID

Client Sample ID: SW-34(2.0')

Lab Sample ID: 880-72792-6
Matrix: Solid
Date Collected: 05/27/26 10:08
Date Received: 05/27/26 15:33

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	141909	05/28/26 10:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141894	05/28/26 13:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141949	05/28/26 13:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			141956	05/28/26 04:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141885	05/27/26 17:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141877	05/28/26 04:06	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	141881	05/27/26 16:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141891	05/28/26 10:02	SMC	EET MID

Client Sample ID: SW-35(2.0')

Lab Sample ID: 880-72792-7
Matrix: Solid
Date Collected: 05/27/26 10:11
Date Received: 05/27/26 15:33

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	141909	05/28/26 10:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141894	05/28/26 13:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141949	05/28/26 13:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			141956	05/28/26 04:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141885	05/27/26 17:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141877	05/28/26 04:27	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

Client Sample ID: SW-35(2.0')

Lab Sample ID: 880-72792-7
Matrix: Solid
Date Collected: 05/27/26 10:11
Date Received: 05/27/26 15:33

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	141881	05/27/26 16:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141891	05/28/26 10:07	SMC	EET MID

Client Sample ID: SW-36(2.0')

Lab Sample ID: 880-72792-8
Matrix: Solid
Date Collected: 05/27/26 10:14
Date Received: 05/27/26 15:33

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	141909	05/28/26 10:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141894	05/28/26 13:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141949	05/28/26 13:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			141956	05/28/26 04:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141885	05/27/26 17:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141877	05/28/26 04:48	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	141881	05/27/26 16:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141891	05/28/26 10:23	SMC	EET MID

Client Sample ID: SW-37(2.0')

Lab Sample ID: 880-72792-9
Matrix: Solid
Date Collected: 05/27/26 10:17
Date Received: 05/27/26 15:33

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	141909	05/28/26 10:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141894	05/28/26 14:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141949	05/28/26 14:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			141956	05/28/26 05:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	141885	05/27/26 17:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141877	05/28/26 05:08	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	141881	05/27/26 16:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141891	05/28/26 10:28	SMC	EET MID

Client Sample ID: SW-38(0.5'-2.0')

Lab Sample ID: 880-72792-10
Matrix: Solid
Date Collected: 05/27/26 10:20
Date Received: 05/27/26 15:33

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	141909	05/28/26 10:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141894	05/28/26 14:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141949	05/28/26 14:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			141956	05/28/26 05:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	141885	05/27/26 17:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141877	05/28/26 05:29	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	141881	05/27/26 16:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141891	05/28/26 10:33	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

Client Sample ID: SW-39(2.0')

Lab Sample ID: 880-72792-11
Date Collected: 05/27/26 10:23
Matrix: Solid
Date Received: 05/27/26 15:33

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	141907	05/28/26 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141855	05/28/26 11:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141949	05/28/26 11:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			141956	05/28/26 05:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	141885	05/27/26 17:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141877	05/28/26 05:50	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	141881	05/27/26 16:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141891	05/28/26 10:38	SMC	EET MID

Client Sample ID: SW-40(2.0')

Lab Sample ID: 880-72792-12
Date Collected: 05/27/26 10:26
Matrix: Solid
Date Received: 05/27/26 15:33

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	141907	05/28/26 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141855	05/28/26 11:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141949	05/28/26 11:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			141956	05/28/26 06:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141885	05/27/26 17:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141877	05/28/26 06:11	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	141881	05/27/26 16:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141891	05/28/26 10:43	SMC	EET MID

Client Sample ID: SW-41(2.0')

Lab Sample ID: 880-72792-13
Date Collected: 05/27/26 10:29
Matrix: Solid
Date Received: 05/27/26 15:33

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	141907	05/28/26 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141855	05/28/26 12:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141949	05/28/26 12:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			141956	05/28/26 08:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141885	05/27/26 17:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141877	05/28/26 08:42	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	141881	05/27/26 16:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141891	05/28/26 10:49	SMC	EET MID

Client Sample ID: SW-42(2.0')

Lab Sample ID: 880-72792-14
Date Collected: 05/27/26 10:32
Matrix: Solid
Date Received: 05/27/26 15:33

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	141474	05/28/26 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141896	05/28/26 15:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141949	05/28/26 15:13	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

Client Sample ID: SW-42(2.0')

Date Collected: 05/27/26 10:32
Date Received: 05/27/26 15:33

Lab Sample ID: 880-72792-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			141956	05/28/26 09:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	141885	05/27/26 17:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141877	05/28/26 09:23	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	141881	05/27/26 16:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141891	05/28/26 11:04	SMC	EET MID

Client Sample ID: SW-43(2.0')

Date Collected: 05/27/26 10:35
Date Received: 05/27/26 15:33

Lab Sample ID: 880-72792-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	141474	05/28/26 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141896	05/28/26 15:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141949	05/28/26 15:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			141956	05/28/26 09:43	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141885	05/27/26 17:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141877	05/28/26 09:43	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	141881	05/27/26 16:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141891	05/28/26 11:09	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-72792-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. 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: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72792-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-72792-1	SW-29(2.0')	Solid	05/27/26 09:53	05/27/26 15:33	New Mexico
880-72792-2	SW-30(2.0')	Solid	05/27/26 09:56	05/27/26 15:33	New Mexico
880-72792-3	SW-31(2.0')	Solid	05/27/26 09:59	05/27/26 15:33	New Mexico
880-72792-4	SW-32(2.0')	Solid	05/27/26 10:02	05/27/26 15:33	New Mexico
880-72792-5	SW-33(2.0')	Solid	05/27/26 10:05	05/27/26 15:33	New Mexico
880-72792-6	SW-34(2.0')	Solid	05/27/26 10:08	05/27/26 15:33	New Mexico
880-72792-7	SW-35(2.0')	Solid	05/27/26 10:11	05/27/26 15:33	New Mexico
880-72792-8	SW-36(2.0')	Solid	05/27/26 10:14	05/27/26 15:33	New Mexico
880-72792-9	SW-37(2.0')	Solid	05/27/26 10:17	05/27/26 15:33	New Mexico
880-72792-10	SW-38(0.5'-2.0')	Solid	05/27/26 10:20	05/27/26 15:33	New Mexico
880-72792-11	SW-39(2.0')	Solid	05/27/26 10:23	05/27/26 15:33	New Mexico
880-72792-12	SW-40(2.0')	Solid	05/27/26 10:26	05/27/26 15:33	New Mexico
880-72792-13	SW-41(2.0')	Solid	05/27/26 10:29	05/27/26 15:33	New Mexico
880-72792-14	SW-42(2.0')	Solid	05/27/26 10:32	05/27/26 15:33	New Mexico
880-72792-15	SW-43(2.0')	Solid	05/27/26 10:35	05/27/26 15:33	New Mexico

Page 676 of 957

Chain of Custody

880-72792 Chain of Custody

880-72792 COC

5/28/2026

Page 1 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	24 hr
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.6
Total Containers:		Corrected Temperature:	4.7

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
SW-29 (2.0')	5/27/2026	9:53	X		Comp	1		X	X	X		
SW-30 (2.0')	5/27/2026	9:56	X		Comp	1		X	X	X		
SW-31 (2.0')	5/27/2026	9:59	X		Comp	1		X	X	X		
SW-32 (2.0')	5/27/2026	10:02	X		Comp	1		X	X	X		
SW-33 (2.0')	5/27/2026	10:05	X		Comp	1		X	X	X		
SW-34 (2.0')	5/27/2026	10:08	X		Comp	1		X	X	X		
SW-35 (2.0')	5/27/2026	10:11	X		Comp	1		X	X	X		
SW-36 (2.0')	5/27/2026	10:14	X		Comp	1		X	X	X		
SW-37 (2.0')	5/27/2026	10:17	X		Comp	1		X	X	X		
SW-38 (0.5'-2.0')	5/27/2026	10:20	X		Comp	1		X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5.27.24 15:33		5.27.24 15:33

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Page 677 of 957

Chain of Custody

Work Order No: 2792

5/28/2026

Page 2 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	24 hr
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID:	IR5	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.1	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.6	
Total Containers:		Corrected Temperature:	4.7	

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
SW-39 (2.0')	5/27/2026	10:23	X		Comp	1		X	X	X		
SW-40 (2.0')	5/27/2026	10:26	X		Comp	1		X	X	X		
SW-41 (2.0')	5/27/2026	10:29	X		Comp	1		X	X	X		
SW-42 (2.0')	5/27/2026	10:32	X		Comp	1		X	X	X		
SW-43 (2.0')	5/27/2026	10:35	X		Comp	1		X	X	X		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5-27-24 15:33		5-27-24 15:33

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-72792-1
SDG Number: Lea County New Mexico

Login Number: 72792
List Number: 1
Creator: Juarez, Leticia

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/1/2026 4:43:03 PM

JOB DESCRIPTION

Matador Gavalon (03.13.2026)
Lea County New Mexico

JOB NUMBER

880-72905-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 6/23/2026 8:46:47 AM

my EOL

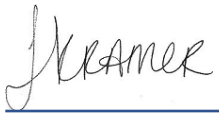
Eurofins Midland

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
6/1/2026 4:43:03 PM

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

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Laboratory Job ID: 880-72905-1
SDG: Lea County New Mexico

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 7
QC Sample Results 8
QC Association Summary 12
Lab Chronicle 14
Certification Summary 15
Method Summary 16
Sample Summary 17
Chain of Custody 18
Receipt Checklists 19

Definitions/Glossary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72905-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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.
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: Matador Gavalon (03.13.2026)

Job ID: 880-72905-1

Job ID: 880-72905-1 Eurofins Midland

Job Narrative
880-72905-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The sample was received on 5/29/2026 3:46 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.5°C.

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-142155 and analytical batch 880-142162 was outside the upper control limits.

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

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

HPLC/IC
Method 300.0 - Soluble: Due to the high concentration of Chloride, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 880-142076 and analytical batch 880-142139 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

The associated samples are: (880-72887-A-1-C MS) and (880-72887-A-1-D MSD).

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

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72905-1
SDG: Lea County New Mexico

Client Sample ID: SW-41(2.0')

Date Collected: 05/29/26 10:56
Date Received: 05/29/26 15:46

Lab Sample ID: 880-72905-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/31/26 16:42	06/01/26 14:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/31/26 16:42	06/01/26 14:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/31/26 16:42	06/01/26 14:10	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		05/31/26 16:42	06/01/26 14:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/31/26 16:42	06/01/26 14:10	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/31/26 16:42	06/01/26 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*05/31/26 16:42*	*06/01/26 14:10*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*05/31/26 16:42*	*06/01/26 14:10*	*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			06/01/26 14:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/01/26 14:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/29/26 16:25	06/01/26 14:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/29/26 16:25	06/01/26 14:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/29/26 16:25	06/01/26 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*96*		*70 - 130*	*05/29/26 16:25*	*06/01/26 14:36*	*1*
o-Terphenyl (Surr)	*98*		*70 - 130*	*05/29/26 16:25*	*06/01/26 14:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.8**		9.96		mg/Kg			05/30/26 19:19	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72905-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-72903-A-6-C MS	Matrix Spike	110	100
880-72903-A-6-D MSD	Matrix Spike Duplicate	110	100
880-72905-1	SW-41(2.0')	102	86
LCS 880-142155/1-A	Lab Control Sample	103	96
LCSD 880-142155/2-A	Lab Control Sample Dup	99	111
MB 880-142155/5-A	Method Blank	310 S1+	123

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-72903-A-1-B MS	Matrix Spike	101	92
880-72903-A-1-C MSD	Matrix Spike Duplicate	100	90
880-72905-1	SW-41(2.0')	96	98
LCS 880-142094/2-A	Lab Control Sample	94	85
LCSD 880-142094/3-A	Lab Control Sample Dup	93	83
MB 880-142094/1-A	Method Blank	79	80

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72905-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-142155/5-A
Matrix: Solid
Analysis Batch: 142162

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142155

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/31/26 16:42	06/01/26 12:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/31/26 16:42	06/01/26 12:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/31/26 16:42	06/01/26 12:19	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/31/26 16:42	06/01/26 12:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/31/26 16:42	06/01/26 12:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/31/26 16:42	06/01/26 12:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*310*	*S1+*	*70 - 130*	*05/31/26 16:42*	*06/01/26 12:19*	*1*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*	*05/31/26 16:42*	*06/01/26 12:19*	*1*

Lab Sample ID: LCS 880-142155/1-A
Matrix: Solid
Analysis Batch: 142162

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142155

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09584		mg/Kg		96	70 - 130		
Toluene			0.100	0.09282		mg/Kg		93	70 - 130		
Ethylbenzene			0.100	0.1015		mg/Kg		102	70 - 130		
m,p-Xylenes			0.200	0.1997		mg/Kg		100	70 - 130		
o-Xylene			0.100	0.1135		mg/Kg		114	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-142155/2-A
Matrix: Solid
Analysis Batch: 142162

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142155

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09570		mg/Kg		96	70 - 130	0	35
Toluene			0.100	0.08091		mg/Kg		81	70 - 130	14	35
Ethylbenzene			0.100	0.09325		mg/Kg		93	70 - 130	9	35
m,p-Xylenes			0.200	0.1846		mg/Kg		92	70 - 130	8	35
o-Xylene			0.100	0.1063		mg/Kg		106	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: 880-72903-A-6-C MS
Matrix: Solid
Analysis Batch: 142162

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 142155

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.09428		mg/Kg		94	70 - 130		
Toluene	<0.00200	U	0.100	0.08040		mg/Kg		80	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72905-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72903-A-6-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 142162 — **Prep Batch: 142155**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09010		mg/Kg		90	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1862		mg/Kg		93	70 - 130
o-Xylene	<0.00200	U	0.100	0.1088		mg/Kg		109	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-72903-A-6-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 142162 — **Prep Batch: 142155**

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	0.09532		mg/Kg		95	70 - 130	1	35
Toluene	<0.00200	U	0.100	0.08829		mg/Kg		88	70 - 130	9	35
Ethylbenzene	<0.00200	U	0.100	0.09915		mg/Kg		99	70 - 130	10	35
m,p-Xylenes	<0.00399	U	0.200	0.1920		mg/Kg		96	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.1109		mg/Kg		111	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

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

Lab Sample ID: MB 880-142094/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 142179 — **Prep Batch: 142094**

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		05/29/26 16:25	06/01/26 09:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/29/26 16:25	06/01/26 09:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/29/26 16:25	06/01/26 09:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*79*		*70 - 130*	*05/29/26 16:25*	*06/01/26 09:05*	*1*
o-Terphenyl (Surr)	*80*		*70 - 130*	*05/29/26 16:25*	*06/01/26 09:05*	*1*

Lab Sample ID: LCS 880-142094/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 142179 — **Prep Batch: 142094**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	950.1		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1000		mg/Kg		100	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72905-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-142094/2-A
Matrix: Solid
Analysis Batch: 142179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142094

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	94		70 - 130
o-Terphenyl (Surr)	85		70 - 130

Lab Sample ID: LCSD 880-142094/3-A
Matrix: Solid
Analysis Batch: 142179

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142094

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	952.0		mg/Kg		95	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	961.8		mg/Kg		96	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	93		70 - 130
o-Terphenyl (Surr)	83		70 - 130

Lab Sample ID: 880-72903-A-1-B MS
Matrix: Solid
Analysis Batch: 142179

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 142094

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	1000	847.3		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	866.4		mg/Kg		87	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	101		70 - 130
o-Terphenyl (Surr)	92		70 - 130

Lab Sample ID: 880-72903-A-1-C MSD
Matrix: Solid
Analysis Batch: 142179

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 142094

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	1000	826.0		mg/Kg		83	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	897.5		mg/Kg		90	70 - 130	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	100		70 - 130
o-Terphenyl (Surr)	90		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72905-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-142076/1-A
Matrix: Solid
Analysis Batch: 142139

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			05/30/26 17:09	1

Lab Sample ID: LCS 880-142076/2-A
Matrix: Solid
Analysis Batch: 142139

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	226.2		mg/Kg		90	90 - 110		

Lab Sample ID: LCSD 880-142076/3-A
Matrix: Solid
Analysis Batch: 142139

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	237.1		mg/Kg		95	90 - 110	5	20

Lab Sample ID: 880-72887-A-1-C MS
Matrix: Solid
Analysis Batch: 142139

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1050		250	1236	4	mg/Kg		76	90 - 110		

Lab Sample ID: 880-72887-A-1-D MSD
Matrix: Solid
Analysis Batch: 142139

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1050		250	1245	4	mg/Kg		80	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72905-1
SDG: Lea County New Mexico

GC VOA

Prep Batch: 142155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72905-1	SW-41(2.0')	Total/NA	Solid	5035	
MB 880-142155/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-142155/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-142155/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-72903-A-6-C MS	Matrix Spike	Total/NA	Solid	5035	
880-72903-A-6-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 142162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72905-1	SW-41(2.0')	Total/NA	Solid	8021B	142155
MB 880-142155/5-A	Method Blank	Total/NA	Solid	8021B	142155
LCS 880-142155/1-A	Lab Control Sample	Total/NA	Solid	8021B	142155
LCSD 880-142155/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	142155
880-72903-A-6-C MS	Matrix Spike	Total/NA	Solid	8021B	142155
880-72903-A-6-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	142155

Analysis Batch: 142274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72905-1	SW-41(2.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 142094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72905-1	SW-41(2.0')	Total/NA	Solid	8015NM Prep	
MB 880-142094/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-142094/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-142094/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-72903-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-72903-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 142179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72905-1	SW-41(2.0')	Total/NA	Solid	8015B NM	142094
MB 880-142094/1-A	Method Blank	Total/NA	Solid	8015B NM	142094
LCS 880-142094/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	142094
LCSD 880-142094/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	142094
880-72903-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	142094
880-72903-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	142094

Analysis Batch: 142288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72905-1	SW-41(2.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 142076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72905-1	SW-41(2.0')	Soluble	Solid	DI Leach	
MB 880-142076/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-142076/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-142076/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72905-1
SDG: Lea County New Mexico

HPLC/IC (Continued)

Leach Batch: 142076 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72887-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-72887-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 142139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72905-1	SW-41(2.0')	Soluble	Solid	300.0	142076
MB 880-142076/1-A	Method Blank	Soluble	Solid	300.0	142076
LCS 880-142076/2-A	Lab Control Sample	Soluble	Solid	300.0	142076
LCSD 880-142076/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	142076
880-72887-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	142076
880-72887-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	142076

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72905-1
SDG: Lea County New Mexico

Client Sample ID: SW-41(2.0')

Date Collected: 05/29/26 10:56
Date Received: 05/29/26 15:46

Lab Sample ID: 880-72905-1

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			5.05 g	5 mL	142155	05/31/26 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142162	06/01/26 14:10	SA	EET MID
Total/NA	Analysis	Total BTEX		1			142274	06/01/26 14:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			142288	06/01/26 14:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	142094	05/29/26 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142179	06/01/26 14:36	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	142076	05/29/26 18:06	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	142139	05/30/26 19:19	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-72905-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. 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: Matador Gavalon (03.13.2026)

Job ID: 880-72905-1
SDG: Lea County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72905-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-72905-1	SW-41(2.0')	Solid	05/29/26 10:56	05/29/26 15:46	New Mexico

Page 696 of 957

Chain of Custody

880-72905 Chain of Custody

880-72905 COC

6/1/2026

Page 1 of 1

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	☐ Routine ☑ Rush
Project Number:	3202	Due Date:	24 hr
Project Location	Lea County, New Mexico		
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.4
Total Containers:		Corrected Temperature:	3.5

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
SW-41 (2.0')	5/29/2026	10:56	X		Comp	1	X	X	X		

Parameters / Pres. Code

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5-29-26 15:46		5-29-26 15:46

Page 18 of 19

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-72905-1
SDG Number: Lea County New Mexico

Login Number: 72905
List Number: 1
Creator: Juarez, Leticia

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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/1/2026 10:18:19 AM

JOB DESCRIPTION

Matador Gacalon (03.13.2026)
3202

JOB NUMBER

880-72859-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 6/23/2026 8:46:47 AM

my EOL

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
6/1/2026 10:18:19 AM

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

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Laboratory Job ID: 880-72859-1
SDG: 3202

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 7
Surrogate Summary 17
QC Sample Results 19
QC Association Summary 25
Lab Chronicle 29
Certification Summary 33
Method Summary 34
Sample Summary 35
Chain of Custody 36
Receipt Checklists 38

Definitions/Glossary

Client: Carmona Resources Job ID: 880-72859-1
Project/Site: Matador Gacalon (03.13.2026) SDG: 3202

Qualifiers

GC VOA

Qualifier	Qualifier Description
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.

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1

Job ID: 880-72859-1 Eurofins Midland

Job Narrative
880-72859-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 5/28/2026 4:09 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 3.4°C.

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-142007 and analytical batch 880-142002 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 samples were outside control limits: CS - 115 (4.0') (880-72859-1) and CS - 116 (4.0') (880-72859-2). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside the upper control limit: CS - 121 (4.0') (880-72859-7). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside the upper control limit: CS - 118 (4.0') (880-72859-4). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics
Method 8015B NM: Surrogate recovery for the following samples were outside control limits: CS - 115 (4.0') (880-72859-1), CS - 117 (4.0') (880-72859-3), CS - 118 (4.0') (880-72859-4), (LCS 880-141984/2-A), (LCSD 880-141984/3-A) and (MB 880-141984/1-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (880-72859-A-1-B MS) and (880-72859-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: CS - 120 (4.0') (880-72859-6) and CS - 126 (4.0') (880-72859-12). Evidence of matrix interferences is not obvious.

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-141984 and analytical batch 880-141913 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 8015B NM: The continuing calibration verification (CCV) associated with batch 880-141913 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and 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. The associated sample is:(CCV 880-141913/165).

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

Eurofins Midland

Case Narrative

Client: Carmona Resources Job ID: 880-72859-1
Project: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1 (Continued) Eurofins Midland

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

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

Client Sample ID: CS - 115 (4.0')

Lab Sample ID: 880-72859-1
Matrix: Solid
Date Collected: 05/28/26 01:00
Date Received: 05/28/26 16:09

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		05/29/26 09:52	05/29/26 16:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 16:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 16:05	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/29/26 09:52	05/29/26 16:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 16:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/29/26 09:52	05/29/26 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*142*	*S1+*	*70 - 130*	*05/29/26 09:52*	*05/29/26 16:05*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*05/29/26 09:52*	*05/29/26 16:05*	*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			05/29/26 16:05	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			05/29/26 02:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	49.9		mg/Kg		05/28/26 20:14	05/29/26 02:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		05/28/26 20:14	05/29/26 02:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/28/26 20:14	05/29/26 02:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*59*	*S1-*	*70 - 130*	*05/28/26 20:14*	*05/29/26 02:53*	*1*
o-Terphenyl (Surr)	*63*	*S1-*	*70 - 130*	*05/28/26 20:14*	*05/29/26 02:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.8**		9.98		mg/Kg			05/29/26 14:33	1

Client Sample ID: CS - 116 (4.0')

Lab Sample ID: 880-72859-2
Matrix: Solid
Date Collected: 05/28/26 01:04
Date Received: 05/28/26 16:09

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		05/29/26 09:52	05/29/26 16:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/29/26 09:52	05/29/26 16:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/29/26 09:52	05/29/26 16:26	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/29/26 09:52	05/29/26 16:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/29/26 09:52	05/29/26 16:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/29/26 09:52	05/29/26 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*	*05/29/26 09:52*	*05/29/26 16:26*	*1*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*	*05/29/26 09:52*	*05/29/26 16:26*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

Client Sample ID: CS - 116 (4.0')

Lab Sample ID: 880-72859-2
Matrix: Solid
Date Collected: 05/28/26 01:04
Date Received: 05/28/26 16:09

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			05/29/26 16:26	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			05/29/26 03:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/28/26 20:14	05/29/26 03:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/28/26 20:14	05/29/26 03:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/28/26 20:14	05/29/26 03:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*78*		*70 - 130*	*05/28/26 20:14*	*05/29/26 03:38*	*1*
o-Terphenyl (Surr)	*77*		*70 - 130*	*05/28/26 20:14*	*05/29/26 03:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**38.0**		9.92		mg/Kg			05/29/26 15:13	1

Client Sample ID: CS - 117 (4.0')

Lab Sample ID: 880-72859-3
Matrix: Solid
Date Collected: 05/28/26 01:08
Date Received: 05/28/26 16:09

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		05/29/26 09:52	05/29/26 16:46	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/29/26 09:52	05/29/26 16:46	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/29/26 09:52	05/29/26 16:46	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/29/26 09:52	05/29/26 16:46	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/29/26 09:52	05/29/26 16:46	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/29/26 09:52	05/29/26 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*05/29/26 09:52*	*05/29/26 16:46*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*05/29/26 09:52*	*05/29/26 16:46*	*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			05/29/26 16:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/29/26 03:54	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	<49.9	U	49.9		mg/Kg		05/28/26 20:14	05/29/26 03:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/28/26 20:14	05/29/26 03:54	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

Client Sample ID: CS - 117 (4.0')

Lab Sample ID: 880-72859-3
Matrix: Solid
Date Collected: 05/28/26 01:08
Date Received: 05/28/26 16:09

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		05/28/26 20:14	05/29/26 03:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*67*	*S1-*	*70 - 130*	*05/28/26 20:14*	*05/29/26 03:54*	*1*
o-Terphenyl (Surr)	*63*	*S1-*	*70 - 130*	*05/28/26 20:14*	*05/29/26 03:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24.9**		9.94		mg/Kg			05/29/26 15:26	1

Client Sample ID: CS - 118 (4.0')

Lab Sample ID: 880-72859-4
Matrix: Solid
Date Collected: 05/28/26 01:12
Date Received: 05/28/26 16:09

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		05/29/26 09:52	05/29/26 17:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/29/26 09:52	05/29/26 17:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/29/26 09:52	05/29/26 17:07	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/29/26 09:52	05/29/26 17:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/29/26 09:52	05/29/26 17:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/29/26 09:52	05/29/26 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*05/29/26 09:52*	*05/29/26 17:07*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*05/29/26 09:52*	*05/29/26 17:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/29/26 17:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/29/26 04:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/28/26 20:14	05/29/26 04:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/28/26 20:14	05/29/26 04:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/28/26 20:14	05/29/26 04:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*67*	*S1-*	*70 - 130*	*05/28/26 20:14*	*05/29/26 04:09*	*1*
o-Terphenyl (Surr)	*66*	*S1-*	*70 - 130*	*05/28/26 20:14*	*05/29/26 04:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**44.2**		10.0		mg/Kg			05/29/26 16:06	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

Client Sample ID: CS - 119 (4.0')

Lab Sample ID: 880-72859-5
Matrix: Solid
Date Collected: 05/28/26 01:16
Date Received: 05/28/26 16:09

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		05/29/26 09:52	05/29/26 17:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 17:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 17:27	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/29/26 09:52	05/29/26 17:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 17:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/29/26 09:52	05/29/26 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/29/26 09:52*	*05/29/26 17:27*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/29/26 09:52*	*05/29/26 17:27*	*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			05/29/26 17:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/29/26 04:24	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	<50.1	U	50.1		mg/Kg		05/28/26 20:14	05/29/26 04:24	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/28/26 20:14	05/29/26 04:24	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/28/26 20:14	05/29/26 04:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*75*		*70 - 130*	*05/28/26 20:14*	*05/29/26 04:24*	*1*
o-Terphenyl (Surr)	*73*		*70 - 130*	*05/28/26 20:14*	*05/29/26 04:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.9**		9.96		mg/Kg			05/29/26 16:20	1

Client Sample ID: CS - 120 (4.0')

Lab Sample ID: 880-72859-6
Matrix: Solid
Date Collected: 05/28/26 01:20
Date Received: 05/28/26 16:09

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		05/29/26 09:52	05/29/26 17:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 17:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 17:48	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/29/26 09:52	05/29/26 17:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 17:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/29/26 09:52	05/29/26 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*05/29/26 09:52*	*05/29/26 17:48*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/29/26 09:52*	*05/29/26 17:48*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

Client Sample ID: CS - 120 (4.0')

Lab Sample ID: 880-72859-6
Matrix: Solid
Date Collected: 05/28/26 01:20
Date Received: 05/28/26 16:09

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			05/29/26 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			05/29/26 04:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		05/28/26 20:14	05/29/26 04:40	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		05/28/26 20:14	05/29/26 04:40	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		05/28/26 20:14	05/29/26 04:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*71*		*70 - 130*	*05/28/26 20:14*	*05/29/26 04:40*	*1*
o-Terphenyl (Surr)	*67*	*S1-*	*70 - 130*	*05/28/26 20:14*	*05/29/26 04:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.9**		9.96		mg/Kg			05/29/26 16:33	1

Client Sample ID: CS - 121 (4.0')

Lab Sample ID: 880-72859-7
Matrix: Solid
Date Collected: 05/28/26 01:24
Date Received: 05/28/26 16:09

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		05/29/26 09:52	05/29/26 18:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/29/26 09:52	05/29/26 18:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/29/26 09:52	05/29/26 18:08	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/29/26 09:52	05/29/26 18:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/29/26 09:52	05/29/26 18:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/29/26 09:52	05/29/26 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*05/29/26 09:52*	*05/29/26 18:08*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*05/29/26 09:52*	*05/29/26 18:08*	*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			05/29/26 18:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/29/26 04:54	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	<50.1	U	50.1		mg/Kg		05/28/26 20:14	05/29/26 04:54	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/28/26 20:14	05/29/26 04:54	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

Client Sample ID: CS - 121 (4.0')

Lab Sample ID: 880-72859-7
Matrix: Solid
Date Collected: 05/28/26 01:24
Date Received: 05/28/26 16:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/28/26 20:14	05/29/26 04:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*82*		*70 - 130*	*05/28/26 20:14*	*05/29/26 04:54*	*1*
o-Terphenyl (Surr)	*74*		*70 - 130*	*05/28/26 20:14*	*05/29/26 04:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			05/29/26 16:46	1

Client Sample ID: CS - 122 (4.0')

Lab Sample ID: 880-72859-8
Matrix: Solid
Date Collected: 05/28/26 01:28
Date Received: 05/28/26 16:09

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		05/29/26 09:52	05/29/26 17:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/29/26 09:52	05/29/26 17:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/29/26 09:52	05/29/26 17:03	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/29/26 09:52	05/29/26 17:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/29/26 09:52	05/29/26 17:03	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/29/26 09:52	05/29/26 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*05/29/26 09:52*	*05/29/26 17:03*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/29/26 09:52*	*05/29/26 17:03*	*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			05/29/26 17:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/29/26 05:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/28/26 20:14	05/29/26 05:11	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/28/26 20:14	05/29/26 05:11	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/28/26 20:14	05/29/26 05:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*86*		*70 - 130*	*05/28/26 20:14*	*05/29/26 05:11*	*1*
o-Terphenyl (Surr)	*80*		*70 - 130*	*05/28/26 20:14*	*05/29/26 05:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.5**		10.1		mg/Kg			05/29/26 13:47	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

Client Sample ID: CS - 123 (4.0')

Lab Sample ID: 880-72859-9
Matrix: Solid
Date Collected: 05/28/26 01:32
Date Received: 05/28/26 16:09

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		05/29/26 09:52	05/29/26 17:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/29/26 09:52	05/29/26 17:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/29/26 09:52	05/29/26 17:23	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/29/26 09:52	05/29/26 17:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/29/26 09:52	05/29/26 17:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/29/26 09:52	05/29/26 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*05/29/26 09:52*	*05/29/26 17:23*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/29/26 09:52*	*05/29/26 17:23*	*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			05/29/26 17:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/29/26 05:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/28/26 20:14	05/29/26 05:26	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/28/26 20:14	05/29/26 05:26	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/28/26 20:14	05/29/26 05:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*88*		*70 - 130*	*05/28/26 20:14*	*05/29/26 05:26*	*1*
o-Terphenyl (Surr)	*82*		*70 - 130*	*05/28/26 20:14*	*05/29/26 05:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.1**		10.1		mg/Kg			05/29/26 14:02	1

Client Sample ID: CS - 124 (4.0')

Lab Sample ID: 880-72859-10
Matrix: Solid
Date Collected: 05/28/26 01:36
Date Received: 05/28/26 16:09

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		05/29/26 09:52	05/29/26 17:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 17:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 17:44	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/29/26 09:52	05/29/26 17:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 17:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/29/26 09:52	05/29/26 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*05/29/26 09:52*	*05/29/26 17:44*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/29/26 09:52*	*05/29/26 17:44*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

Client Sample ID: CS - 124 (4.0')

Lab Sample ID: 880-72859-10
Matrix: Solid
Date Collected: 05/28/26 01:36
Date Received: 05/28/26 16:09

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			05/29/26 17:44	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			05/29/26 05:42	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		05/28/26 20:14	05/29/26 05:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/28/26 20:14	05/29/26 05:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/28/26 20:14	05/29/26 05:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*81*		*70 - 130*	*05/28/26 20:14*	*05/29/26 05:42*	*1*
o-Terphenyl (Surr)	*77*		*70 - 130*	*05/28/26 20:14*	*05/29/26 05:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**50.1**		10.1		mg/Kg			05/29/26 14:07	1

Client Sample ID: CS - 125 (4.0')

Lab Sample ID: 880-72859-11
Matrix: Solid
Date Collected: 05/28/26 01:40
Date Received: 05/28/26 16:09

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		05/29/26 09:52	05/29/26 18:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 18:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 18:04	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/29/26 09:52	05/29/26 18:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 18:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/29/26 09:52	05/29/26 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*05/29/26 09:52*	*05/29/26 18:04*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/29/26 09:52*	*05/29/26 18:04*	*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			05/29/26 18:04	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			05/29/26 06:12	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	49.8		mg/Kg		05/28/26 20:14	05/29/26 06:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/28/26 20:14	05/29/26 06:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

Client Sample ID: CS - 125 (4.0')

Lab Sample ID: 880-72859-11
Matrix: Solid
Date Collected: 05/28/26 01:40
Date Received: 05/28/26 16:09

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		05/28/26 20:14	05/29/26 06:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*83*		*70 - 130*	*05/28/26 20:14*	*05/29/26 06:12*	*1*
o-Terphenyl (Surr)	*76*		*70 - 130*	*05/28/26 20:14*	*05/29/26 06:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		9.98		mg/Kg			05/29/26 14:12	1

Client Sample ID: CS - 126 (4.0')

Lab Sample ID: 880-72859-12
Matrix: Solid
Date Collected: 05/28/26 01:44
Date Received: 05/28/26 16:09

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		05/29/26 09:52	05/29/26 18:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/29/26 09:52	05/29/26 18:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/29/26 09:52	05/29/26 18:25	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/29/26 09:52	05/29/26 18:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/29/26 09:52	05/29/26 18:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/29/26 09:52	05/29/26 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*05/29/26 09:52*	*05/29/26 18:25*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/29/26 09:52*	*05/29/26 18:25*	*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			05/29/26 18:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/29/26 06:28	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		05/28/26 20:14	05/29/26 06:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/28/26 20:14	05/29/26 06:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/28/26 20:14	05/29/26 06:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*73*		*70 - 130*	*05/28/26 20:14*	*05/29/26 06:28*	*1*
o-Terphenyl (Surr)	*68*	*S1-*	*70 - 130*	*05/28/26 20:14*	*05/29/26 06:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.3**		9.98		mg/Kg			05/29/26 14:17	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

Client Sample ID: CS - 127 (4.0')

Date Collected: 05/28/26 01:48
Date Received: 05/28/26 16:09

Lab Sample ID: 880-72859-13

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		05/29/26 09:52	05/29/26 18:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/29/26 09:52	05/29/26 18:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/29/26 09:52	05/29/26 18:45	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/29/26 09:52	05/29/26 18:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/29/26 09:52	05/29/26 18:45	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/29/26 09:52	05/29/26 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*05/29/26 09:52*	*05/29/26 18:45*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/29/26 09:52*	*05/29/26 18:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/29/26 18:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/29/26 06:43	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	<49.9	U	49.9		mg/Kg		05/28/26 20:14	05/29/26 06:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/28/26 20:14	05/29/26 06:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/28/26 20:14	05/29/26 06:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*78*		*70 - 130*	*05/28/26 20:14*	*05/29/26 06:43*	*1*
o-Terphenyl (Surr)	*75*		*70 - 130*	*05/28/26 20:14*	*05/29/26 06:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**124**		9.98		mg/Kg			05/29/26 14:33	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-72859-1	CS - 115 (4.0')	142 S1+	118
880-72859-2	CS - 116 (4.0')	143 S1+	121
880-72859-3	CS - 117 (4.0')	120	110
880-72859-4	CS - 118 (4.0')	139 S1+	115
880-72859-5	CS - 119 (4.0')	113	101
880-72859-6	CS - 120 (4.0')	119	105
880-72859-7	CS - 121 (4.0')	136 S1+	120
880-72859-8	CS - 122 (4.0')	99	94
880-72859-9	CS - 123 (4.0')	94	97
880-72859-10	CS - 124 (4.0')	93	96
880-72859-11	CS - 125 (4.0')	95	94
880-72859-12	CS - 126 (4.0')	97	94
880-72859-13	CS - 127 (4.0')	103	92
890-9996-A-20-E MS	Matrix Spike	95	99
890-9996-A-20-F MSD	Matrix Spike Duplicate	97	97
890-10004-A-1-J MS	Matrix Spike	133 S1+	109
890-10004-A-1-K MSD	Matrix Spike Duplicate	119	104
LCS 880-142005/1-A	Lab Control Sample	90	98
LCS 880-142007/1-A	Lab Control Sample	105	105
LCSD 880-142005/2-A	Lab Control Sample Dup	104	95
LCSD 880-142007/2-A	Lab Control Sample Dup	87	87
MB 880-142005/5-A	Method Blank	99	92
MB 880-142007/5-A	Method Blank	115	104

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-72859-1	CS - 115 (4.0')	59 S1-	63 S1-
880-72859-1 MS	CS - 115 (4.0')	68 S1-	73
880-72859-1 MSD	CS - 115 (4.0')	67 S1-	71
880-72859-2	CS - 116 (4.0')	78	77
880-72859-3	CS - 117 (4.0')	67 S1-	63 S1-
880-72859-4	CS - 118 (4.0')	67 S1-	66 S1-
880-72859-5	CS - 119 (4.0')	75	73
880-72859-6	CS - 120 (4.0')	71	67 S1-
880-72859-7	CS - 121 (4.0')	82	74
880-72859-8	CS - 122 (4.0')	86	80
880-72859-9	CS - 123 (4.0')	88	82
880-72859-10	CS - 124 (4.0')	81	77
880-72859-11	CS - 125 (4.0')	83	76
880-72859-12	CS - 126 (4.0')	73	68 S1-
880-72859-13	CS - 127 (4.0')	78	75
LCS 880-141984/2-A	Lab Control Sample	135 S1+	146 S1+

Surrogate Summary

Client: Carmona Resources Job ID: 880-72859-1
Project/Site: Matador Gacalon (03.13.2026) SDG: 3202

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
LCSD 880-141984/3-A	Lab Control Sample Dup	133 S1+	143 S1+								
MB 880-141984/1-A	Method Blank	153 S1+	141 S1+								

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-142005/5-A
Matrix: Solid
Analysis Batch: 142001

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142005

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 11:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 11:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 11:42	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/29/26 09:52	05/29/26 11:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 11:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/29/26 09:52	05/29/26 11:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*05/29/26 09:52*	*05/29/26 11:42*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/29/26 09:52*	*05/29/26 11:42*	*1*

Lab Sample ID: LCS 880-142005/1-A
Matrix: Solid
Analysis Batch: 142001

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142005

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08936		mg/Kg		89	70 - 130		
Toluene			0.100	0.09046		mg/Kg		90	70 - 130		
Ethylbenzene			0.100	0.09291		mg/Kg		93	70 - 130		
m,p-Xylenes			0.200	0.1827		mg/Kg		91	70 - 130		
o-Xylene			0.100	0.08906		mg/Kg		89	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-142005/2-A
Matrix: Solid
Analysis Batch: 142001

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142005

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08322		mg/Kg		83	70 - 130	7	35
Toluene			0.100	0.09379		mg/Kg		94	70 - 130	4	35
Ethylbenzene			0.100	0.1004		mg/Kg		100	70 - 130	8	35
m,p-Xylenes			0.200	0.2047		mg/Kg		102	70 - 130	11	35
o-Xylene			0.100	0.09958		mg/Kg		100	70 - 130	11	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 890-9996-A-20-E MS
Matrix: Solid
Analysis Batch: 142001

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 142005

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.08452		mg/Kg		85	70 - 130		
Toluene	<0.00200	U	0.100	0.08672		mg/Kg		87	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

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

Lab Sample ID: 890-9996-A-20-E MS
Matrix: Solid
Analysis Batch: 142001

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 142005

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08771		mg/Kg		88	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1729		mg/Kg		86	70 - 130
o-Xylene	<0.00200	U	0.100	0.08355		mg/Kg		84	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 890-9996-A-20-F MSD
Matrix: Solid
Analysis Batch: 142001

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 142005

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	0.07783		mg/Kg		78	70 - 130	8	35
Toluene	<0.00200	U	0.100	0.07982		mg/Kg		80	70 - 130	8	35
Ethylbenzene	<0.00200	U	0.100	0.08003		mg/Kg		80	70 - 130	9	35
m,p-Xylenes	<0.00399	U	0.200	0.1562		mg/Kg		78	70 - 130	10	35
o-Xylene	<0.00200	U	0.100	0.07551		mg/Kg		76	70 - 130	10	35

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

Lab Sample ID: MB 880-142007/5-A
Matrix: Solid
Analysis Batch: 142002

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142007

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 11:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 11:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 11:00	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/29/26 09:52	05/29/26 11:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 11:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/29/26 09:52	05/29/26 11:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*05/29/26 09:52*	*05/29/26 11:00*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/29/26 09:52*	*05/29/26 11:00*	*1*

Lab Sample ID: LCS 880-142007/1-A
Matrix: Solid
Analysis Batch: 142002

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142007

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1016		mg/Kg		102	70 - 130
Toluene	0.100	0.09430		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.08673		mg/Kg		87	70 - 130
m,p-Xylenes	0.200	0.1978		mg/Kg		99	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

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

Lab Sample ID: LCS 880-142007/1-A
Matrix: Solid
Analysis Batch: 142002

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142007

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1046		mg/Kg		105	70 - 130		

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

Lab Sample ID: LCSD 880-142007/2-A
Matrix: Solid
Analysis Batch: 142002

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142007

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08380		mg/Kg		84	70 - 130	19	35
Toluene			0.100	0.07738		mg/Kg		77	70 - 130	20	35
Ethylbenzene			0.100	0.08108		mg/Kg		81	70 - 130	7	35
m,p-Xylenes			0.200	0.1680		mg/Kg		84	70 - 130	16	35
o-Xylene			0.100	0.08430		mg/Kg		84	70 - 130	21	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: 890-10004-A-1-J MS
Matrix: Solid
Analysis Batch: 142002

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 142007

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U F1	0.100	0.1251		mg/Kg		125	70 - 130		
Toluene	<0.00200	U F1	0.100	0.1146		mg/Kg		115	70 - 130		
Ethylbenzene	<0.00200	U F1	0.100	0.1263		mg/Kg		126	70 - 130		
m,p-Xylenes	<0.00399	U F1	0.200	0.2851	F1	mg/Kg		143	70 - 130		
o-Xylene	<0.00200	U F1	0.100	0.1470	F1	mg/Kg		147	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: 890-10004-A-1-K MSD
Matrix: Solid
Analysis Batch: 142002

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 142007

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	0.09379		mg/Kg		94	70 - 130	29	35
Toluene	<0.00200	U F1	0.100	0.09538		mg/Kg		95	70 - 130	18	35
Ethylbenzene	<0.00200	U F1	0.100	0.08724	F2	mg/Kg		87	70 - 130	37	35
m,p-Xylenes	<0.00399	U F1	0.200	0.2199		mg/Kg		110	70 - 130	26	35
o-Xylene	<0.00200	U F1	0.100	0.1157		mg/Kg		116	70 - 130	24	35

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

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

Lab Sample ID: 890-10004-A-1-K MSD
Matrix: Solid
Analysis Batch: 142002

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 142007

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

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

Lab Sample ID: MB 880-141984/1-A
Matrix: Solid
Analysis Batch: 141913

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141984

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		05/28/26 20:14	05/29/26 02:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/28/26 20:14	05/29/26 02:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/28/26 20:14	05/29/26 02:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	153	S1+	70 - 130	05/28/26 20:14	05/29/26 02:07	1
o-Terphenyl (Surr)	141	S1+	70 - 130	05/28/26 20:14	05/29/26 02:07	1

Lab Sample ID: LCS 880-141984/2-A
Matrix: Solid
Analysis Batch: 141913

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141984

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1133		mg/Kg		113	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1263		mg/Kg		126	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	135	S1+	70 - 130
o-Terphenyl (Surr)	146	S1+	70 - 130

Lab Sample ID: LCSD 880-141984/3-A
Matrix: Solid
Analysis Batch: 141913

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141984

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1124		mg/Kg		112	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1251		mg/Kg		125	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	133	S1+	70 - 130
o-Terphenyl (Surr)	143	S1+	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

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

Lab Sample ID: 880-72859-1 MS
Matrix: Solid
Analysis Batch: 141913

Client Sample ID: CS - 115 (4.0')
Prep Type: Total/NA
Prep Batch: 141984

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1000	490.6	F1	mg/Kg		49	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	518.7	F1	mg/Kg		52	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*68*	*S1-*	*70 - 130*
o-Terphenyl (Surr)	*73*		*70 - 130*

Lab Sample ID: 880-72859-1 MSD
Matrix: Solid
Analysis Batch: 141913

Client Sample ID: CS - 115 (4.0')
Prep Type: Total/NA
Prep Batch: 141984

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1000	485.9	F1	mg/Kg		49	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	519.0	F1	mg/Kg		52	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*67*	*S1-*	*70 - 130*
o-Terphenyl (Surr)	*71*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-141988/1-A
Matrix: Solid
Analysis Batch: 141992

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			05/29/26 10:47	1

Lab Sample ID: LCS 880-141988/2-A
Matrix: Solid
Analysis Batch: 141992

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	240.8		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-141988/3-A
Matrix: Solid
Analysis Batch: 141992

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	240.9		mg/Kg		96	90 - 110	0	20

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-72859-1 MS
Matrix: Solid
Analysis Batch: 141992

Client Sample ID: CS - 115 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.8		250	262.8		mg/Kg		101	90 - 110

Lab Sample ID: 880-72859-1 MSD
Matrix: Solid
Analysis Batch: 141992

Client Sample ID: CS - 115 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.8		250	262.7		mg/Kg		101	90 - 110	0	20

Lab Sample ID: MB 880-141989/1-A
Matrix: Solid
Analysis Batch: 141993

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			05/29/26 13:31	1

Lab Sample ID: LCS 880-141989/2-A
Matrix: Solid
Analysis Batch: 141993

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.1		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-141989/3-A
Matrix: Solid
Analysis Batch: 141993

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	244.5		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-72859-8 MS
Matrix: Solid
Analysis Batch: 141993

Client Sample ID: CS - 122 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	17.5		252	274.9		mg/Kg		102	90 - 110

Lab Sample ID: 880-72859-8 MSD
Matrix: Solid
Analysis Batch: 141993

Client Sample ID: CS - 122 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	17.5		252	282.1		mg/Kg		105	90 - 110	3	20

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

GC VOA

Analysis Batch: 142001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72859-8	CS - 122 (4.0')	Total/NA	Solid	8021B	142005
880-72859-9	CS - 123 (4.0')	Total/NA	Solid	8021B	142005
880-72859-10	CS - 124 (4.0')	Total/NA	Solid	8021B	142005
880-72859-11	CS - 125 (4.0')	Total/NA	Solid	8021B	142005
880-72859-12	CS - 126 (4.0')	Total/NA	Solid	8021B	142005
880-72859-13	CS - 127 (4.0')	Total/NA	Solid	8021B	142005
MB 880-142005/5-A	Method Blank	Total/NA	Solid	8021B	142005
LCS 880-142005/1-A	Lab Control Sample	Total/NA	Solid	8021B	142005
LCSD 880-142005/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	142005
890-9996-A-20-E MS	Matrix Spike	Total/NA	Solid	8021B	142005
890-9996-A-20-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	142005

Analysis Batch: 142002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72859-1	CS - 115 (4.0')	Total/NA	Solid	8021B	142007
880-72859-2	CS - 116 (4.0')	Total/NA	Solid	8021B	142007
880-72859-3	CS - 117 (4.0')	Total/NA	Solid	8021B	142007
880-72859-4	CS - 118 (4.0')	Total/NA	Solid	8021B	142007
880-72859-5	CS - 119 (4.0')	Total/NA	Solid	8021B	142007
880-72859-6	CS - 120 (4.0')	Total/NA	Solid	8021B	142007
880-72859-7	CS - 121 (4.0')	Total/NA	Solid	8021B	142007
MB 880-142007/5-A	Method Blank	Total/NA	Solid	8021B	142007
LCS 880-142007/1-A	Lab Control Sample	Total/NA	Solid	8021B	142007
LCSD 880-142007/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	142007
890-10004-A-1-J MS	Matrix Spike	Total/NA	Solid	8021B	142007
890-10004-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	142007

Prep Batch: 142005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72859-8	CS - 122 (4.0')	Total/NA	Solid	5035	
880-72859-9	CS - 123 (4.0')	Total/NA	Solid	5035	
880-72859-10	CS - 124 (4.0')	Total/NA	Solid	5035	
880-72859-11	CS - 125 (4.0')	Total/NA	Solid	5035	
880-72859-12	CS - 126 (4.0')	Total/NA	Solid	5035	
880-72859-13	CS - 127 (4.0')	Total/NA	Solid	5035	
MB 880-142005/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-142005/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-142005/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9996-A-20-E MS	Matrix Spike	Total/NA	Solid	5035	
890-9996-A-20-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 142007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72859-1	CS - 115 (4.0')	Total/NA	Solid	5035	
880-72859-2	CS - 116 (4.0')	Total/NA	Solid	5035	
880-72859-3	CS - 117 (4.0')	Total/NA	Solid	5035	
880-72859-4	CS - 118 (4.0')	Total/NA	Solid	5035	
880-72859-5	CS - 119 (4.0')	Total/NA	Solid	5035	
880-72859-6	CS - 120 (4.0')	Total/NA	Solid	5035	
880-72859-7	CS - 121 (4.0')	Total/NA	Solid	5035	
MB 880-142007/5-A	Method Blank	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

GC VOA (Continued)

Prep Batch: 142007 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-142007/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-142007/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-10004-A-1-J MS	Matrix Spike	Total/NA	Solid	5035	
890-10004-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 142106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72859-1	CS - 115 (4.0')	Total/NA	Solid	Total BTEX	
880-72859-2	CS - 116 (4.0')	Total/NA	Solid	Total BTEX	
880-72859-3	CS - 117 (4.0')	Total/NA	Solid	Total BTEX	
880-72859-4	CS - 118 (4.0')	Total/NA	Solid	Total BTEX	
880-72859-5	CS - 119 (4.0')	Total/NA	Solid	Total BTEX	
880-72859-6	CS - 120 (4.0')	Total/NA	Solid	Total BTEX	
880-72859-7	CS - 121 (4.0')	Total/NA	Solid	Total BTEX	
880-72859-8	CS - 122 (4.0')	Total/NA	Solid	Total BTEX	
880-72859-9	CS - 123 (4.0')	Total/NA	Solid	Total BTEX	
880-72859-10	CS - 124 (4.0')	Total/NA	Solid	Total BTEX	
880-72859-11	CS - 125 (4.0')	Total/NA	Solid	Total BTEX	
880-72859-12	CS - 126 (4.0')	Total/NA	Solid	Total BTEX	
880-72859-13	CS - 127 (4.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 141913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72859-1	CS - 115 (4.0')	Total/NA	Solid	8015B NM	141984
880-72859-2	CS - 116 (4.0')	Total/NA	Solid	8015B NM	141984
880-72859-3	CS - 117 (4.0')	Total/NA	Solid	8015B NM	141984
880-72859-4	CS - 118 (4.0')	Total/NA	Solid	8015B NM	141984
880-72859-5	CS - 119 (4.0')	Total/NA	Solid	8015B NM	141984
880-72859-6	CS - 120 (4.0')	Total/NA	Solid	8015B NM	141984
880-72859-7	CS - 121 (4.0')	Total/NA	Solid	8015B NM	141984
880-72859-8	CS - 122 (4.0')	Total/NA	Solid	8015B NM	141984
880-72859-9	CS - 123 (4.0')	Total/NA	Solid	8015B NM	141984
880-72859-10	CS - 124 (4.0')	Total/NA	Solid	8015B NM	141984
880-72859-11	CS - 125 (4.0')	Total/NA	Solid	8015B NM	141984
880-72859-12	CS - 126 (4.0')	Total/NA	Solid	8015B NM	141984
880-72859-13	CS - 127 (4.0')	Total/NA	Solid	8015B NM	141984
MB 880-141984/1-A	Method Blank	Total/NA	Solid	8015B NM	141984
LCS 880-141984/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	141984
LCSD 880-141984/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	141984
880-72859-1 MS	CS - 115 (4.0')	Total/NA	Solid	8015B NM	141984
880-72859-1 MSD	CS - 115 (4.0')	Total/NA	Solid	8015B NM	141984

Prep Batch: 141984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72859-1	CS - 115 (4.0')	Total/NA	Solid	8015NM Prep	
880-72859-2	CS - 116 (4.0')	Total/NA	Solid	8015NM Prep	
880-72859-3	CS - 117 (4.0')	Total/NA	Solid	8015NM Prep	
880-72859-4	CS - 118 (4.0')	Total/NA	Solid	8015NM Prep	
880-72859-5	CS - 119 (4.0')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

GC Semi VOA (Continued)

Prep Batch: 141984 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72859-6	CS - 120 (4.0')	Total/NA	Solid	8015NM Prep	
880-72859-7	CS - 121 (4.0')	Total/NA	Solid	8015NM Prep	
880-72859-8	CS - 122 (4.0')	Total/NA	Solid	8015NM Prep	
880-72859-9	CS - 123 (4.0')	Total/NA	Solid	8015NM Prep	
880-72859-10	CS - 124 (4.0')	Total/NA	Solid	8015NM Prep	
880-72859-11	CS - 125 (4.0')	Total/NA	Solid	8015NM Prep	
880-72859-12	CS - 126 (4.0')	Total/NA	Solid	8015NM Prep	
880-72859-13	CS - 127 (4.0')	Total/NA	Solid	8015NM Prep	
MB 880-141984/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-141984/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-141984/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-72859-1 MS	CS - 115 (4.0')	Total/NA	Solid	8015NM Prep	
880-72859-1 MSD	CS - 115 (4.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 142057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72859-1	CS - 115 (4.0')	Total/NA	Solid	8015 NM	
880-72859-2	CS - 116 (4.0')	Total/NA	Solid	8015 NM	
880-72859-3	CS - 117 (4.0')	Total/NA	Solid	8015 NM	
880-72859-4	CS - 118 (4.0')	Total/NA	Solid	8015 NM	
880-72859-5	CS - 119 (4.0')	Total/NA	Solid	8015 NM	
880-72859-6	CS - 120 (4.0')	Total/NA	Solid	8015 NM	
880-72859-7	CS - 121 (4.0')	Total/NA	Solid	8015 NM	
880-72859-8	CS - 122 (4.0')	Total/NA	Solid	8015 NM	
880-72859-9	CS - 123 (4.0')	Total/NA	Solid	8015 NM	
880-72859-10	CS - 124 (4.0')	Total/NA	Solid	8015 NM	
880-72859-11	CS - 125 (4.0')	Total/NA	Solid	8015 NM	
880-72859-12	CS - 126 (4.0')	Total/NA	Solid	8015 NM	
880-72859-13	CS - 127 (4.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 141988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72859-1	CS - 115 (4.0')	Soluble	Solid	DI Leach	
880-72859-2	CS - 116 (4.0')	Soluble	Solid	DI Leach	
880-72859-3	CS - 117 (4.0')	Soluble	Solid	DI Leach	
880-72859-4	CS - 118 (4.0')	Soluble	Solid	DI Leach	
880-72859-5	CS - 119 (4.0')	Soluble	Solid	DI Leach	
880-72859-6	CS - 120 (4.0')	Soluble	Solid	DI Leach	
880-72859-7	CS - 121 (4.0')	Soluble	Solid	DI Leach	
MB 880-141988/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-141988/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-141988/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-72859-1 MS	CS - 115 (4.0')	Soluble	Solid	DI Leach	
880-72859-1 MSD	CS - 115 (4.0')	Soluble	Solid	DI Leach	

Leach Batch: 141989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72859-8	CS - 122 (4.0')	Soluble	Solid	DI Leach	
880-72859-9	CS - 123 (4.0')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

HPLC/IC (Continued)

Leach Batch: 141989 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72859-10	CS - 124 (4.0')	Soluble	Solid	DI Leach	
880-72859-11	CS - 125 (4.0')	Soluble	Solid	DI Leach	
880-72859-12	CS - 126 (4.0')	Soluble	Solid	DI Leach	
880-72859-13	CS - 127 (4.0')	Soluble	Solid	DI Leach	
MB 880-141989/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-141989/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-141989/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-72859-8 MS	CS - 122 (4.0')	Soluble	Solid	DI Leach	
880-72859-8 MSD	CS - 122 (4.0')	Soluble	Solid	DI Leach	

Analysis Batch: 141992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72859-1	CS - 115 (4.0')	Soluble	Solid	300.0	141988
880-72859-2	CS - 116 (4.0')	Soluble	Solid	300.0	141988
880-72859-3	CS - 117 (4.0')	Soluble	Solid	300.0	141988
880-72859-4	CS - 118 (4.0')	Soluble	Solid	300.0	141988
880-72859-5	CS - 119 (4.0')	Soluble	Solid	300.0	141988
880-72859-6	CS - 120 (4.0')	Soluble	Solid	300.0	141988
880-72859-7	CS - 121 (4.0')	Soluble	Solid	300.0	141988
MB 880-141988/1-A	Method Blank	Soluble	Solid	300.0	141988
LCS 880-141988/2-A	Lab Control Sample	Soluble	Solid	300.0	141988
LCSD 880-141988/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	141988
880-72859-1 MS	CS - 115 (4.0')	Soluble	Solid	300.0	141988
880-72859-1 MSD	CS - 115 (4.0')	Soluble	Solid	300.0	141988

Analysis Batch: 141993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72859-8	CS - 122 (4.0')	Soluble	Solid	300.0	141989
880-72859-9	CS - 123 (4.0')	Soluble	Solid	300.0	141989
880-72859-10	CS - 124 (4.0')	Soluble	Solid	300.0	141989
880-72859-11	CS - 125 (4.0')	Soluble	Solid	300.0	141989
880-72859-12	CS - 126 (4.0')	Soluble	Solid	300.0	141989
880-72859-13	CS - 127 (4.0')	Soluble	Solid	300.0	141989
MB 880-141989/1-A	Method Blank	Soluble	Solid	300.0	141989
LCS 880-141989/2-A	Lab Control Sample	Soluble	Solid	300.0	141989
LCSD 880-141989/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	141989
880-72859-8 MS	CS - 122 (4.0')	Soluble	Solid	300.0	141989
880-72859-8 MSD	CS - 122 (4.0')	Soluble	Solid	300.0	141989

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

Client Sample ID: CS - 115 (4.0')

Lab Sample ID: 880-72859-1

Date Collected: 05/28/26 01:00
Matrix: Solid
Date Received: 05/28/26 16:09

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	142007	05/29/26 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142002	05/29/26 16:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142106	05/29/26 16:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			142057	05/29/26 02:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141984	05/28/26 20:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141913	05/29/26 02:53	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	141988	05/29/26 08:02	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141992	05/29/26 14:33	SMC	EET MID

Client Sample ID: CS - 116 (4.0')

Lab Sample ID: 880-72859-2

Date Collected: 05/28/26 01:04
Matrix: Solid
Date Received: 05/28/26 16:09

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	142007	05/29/26 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142002	05/29/26 16:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142106	05/29/26 16:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			142057	05/29/26 03:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141984	05/28/26 20:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141913	05/29/26 03:38	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	141988	05/29/26 08:02	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141992	05/29/26 15:13	SMC	EET MID

Client Sample ID: CS - 117 (4.0')

Lab Sample ID: 880-72859-3

Date Collected: 05/28/26 01:08
Matrix: Solid
Date Received: 05/28/26 16:09

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	142007	05/29/26 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142002	05/29/26 16:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142106	05/29/26 16:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			142057	05/29/26 03:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141984	05/28/26 20:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141913	05/29/26 03:54	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	141988	05/29/26 08:02	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141992	05/29/26 15:26	SMC	EET MID

Client Sample ID: CS - 118 (4.0')

Lab Sample ID: 880-72859-4

Date Collected: 05/28/26 01:12
Matrix: Solid
Date Received: 05/28/26 16:09

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	142007	05/29/26 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142002	05/29/26 17:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142106	05/29/26 17:07	SA	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

Client Sample ID: CS - 118 (4.0')

Lab Sample ID: 880-72859-4
Matrix: Solid
Date Collected: 05/28/26 01:12
Date Received: 05/28/26 16:09

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			142057	05/29/26 04:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141984	05/28/26 20:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141913	05/29/26 04:09	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	141988	05/29/26 08:02	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141992	05/29/26 16:06	SMC	EET MID

Client Sample ID: CS - 119 (4.0')

Lab Sample ID: 880-72859-5
Matrix: Solid
Date Collected: 05/28/26 01:16
Date Received: 05/28/26 16:09

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	142007	05/29/26 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142002	05/29/26 17:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142106	05/29/26 17:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			142057	05/29/26 04:24	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141984	05/28/26 20:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141913	05/29/26 04:24	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	141988	05/29/26 08:02	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141992	05/29/26 16:20	SMC	EET MID

Client Sample ID: CS - 120 (4.0')

Lab Sample ID: 880-72859-6
Matrix: Solid
Date Collected: 05/28/26 01:20
Date Received: 05/28/26 16:09

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	142007	05/29/26 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142002	05/29/26 17:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142106	05/29/26 17:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			142057	05/29/26 04:40	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	141984	05/28/26 20:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141913	05/29/26 04:40	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	141988	05/29/26 08:02	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141992	05/29/26 16:33	SMC	EET MID

Client Sample ID: CS - 121 (4.0')

Lab Sample ID: 880-72859-7
Matrix: Solid
Date Collected: 05/28/26 01:24
Date Received: 05/28/26 16:09

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	142007	05/29/26 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142002	05/29/26 18:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142106	05/29/26 18:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			142057	05/29/26 04:54	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141984	05/28/26 20:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141913	05/29/26 04:54	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

Client Sample ID: CS - 121 (4.0')

Lab Sample ID: 880-72859-7
Matrix: Solid
Date Collected: 05/28/26 01:24
Date Received: 05/28/26 16:09

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	141988	05/29/26 08:02	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141992	05/29/26 16:46	SMC	EET MID

Client Sample ID: CS - 122 (4.0')

Lab Sample ID: 880-72859-8
Matrix: Solid
Date Collected: 05/28/26 01:28
Date Received: 05/28/26 16:09

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	142005	05/29/26 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142001	05/29/26 17:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142106	05/29/26 17:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			142057	05/29/26 05:11	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	141984	05/28/26 20:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141913	05/29/26 05:11	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	141989	05/29/26 08:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141993	05/29/26 13:47	SMC	EET MID

Client Sample ID: CS - 123 (4.0')

Lab Sample ID: 880-72859-9
Matrix: Solid
Date Collected: 05/28/26 01:32
Date Received: 05/28/26 16:09

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	142005	05/29/26 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142001	05/29/26 17:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142106	05/29/26 17:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			142057	05/29/26 05:26	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141984	05/28/26 20:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141913	05/29/26 05:26	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	141989	05/29/26 08:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141993	05/29/26 14:02	SMC	EET MID

Client Sample ID: CS - 124 (4.0')

Lab Sample ID: 880-72859-10
Matrix: Solid
Date Collected: 05/28/26 01:36
Date Received: 05/28/26 16:09

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	142005	05/29/26 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142001	05/29/26 17:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142106	05/29/26 17:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			142057	05/29/26 05:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	141984	05/28/26 20:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141913	05/29/26 05:42	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	141989	05/29/26 08:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141993	05/29/26 14:07	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

Client Sample ID: CS - 125 (4.0')

Date Collected: 05/28/26 01:40
Date Received: 05/28/26 16:09

Lab Sample ID: 880-72859-11
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	142005	05/29/26 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142001	05/29/26 18:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142106	05/29/26 18:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			142057	05/29/26 06:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	141984	05/28/26 20:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141913	05/29/26 06:12	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	141989	05/29/26 08:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141993	05/29/26 14:12	SMC	EET MID

Client Sample ID: CS - 126 (4.0')

Date Collected: 05/28/26 01:44
Date Received: 05/28/26 16:09

Lab Sample ID: 880-72859-12
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			4.97 g	5 mL	142005	05/29/26 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142001	05/29/26 18:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142106	05/29/26 18:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			142057	05/29/26 06:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	141984	05/28/26 20:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141913	05/29/26 06:28	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	141989	05/29/26 08:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141993	05/29/26 14:17	SMC	EET MID

Client Sample ID: CS - 127 (4.0')

Date Collected: 05/28/26 01:48
Date Received: 05/28/26 16:09

Lab Sample ID: 880-72859-13
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			4.95 g	5 mL	142005	05/29/26 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142001	05/29/26 18:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142106	05/29/26 18:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			142057	05/29/26 06:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141984	05/28/26 20:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141913	05/29/26 06:43	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	141989	05/29/26 08:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141993	05/29/26 14:33	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-72859-1
Project/Site: Matador Gacalon (03.13.2026)
SDG: 3202

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	06-30-26

The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. 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: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

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: Matador Gacalon (03.13.2026)

Job ID: 880-72859-1
SDG: 3202

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-72859-1	CS - 115 (4.0')	Solid	05/28/26 01:00	05/28/26 16:09	New Mexico
880-72859-2	CS - 116 (4.0')	Solid	05/28/26 01:04	05/28/26 16:09	New Mexico
880-72859-3	CS - 117 (4.0')	Solid	05/28/26 01:08	05/28/26 16:09	New Mexico
880-72859-4	CS - 118 (4.0')	Solid	05/28/26 01:12	05/28/26 16:09	New Mexico
880-72859-5	CS - 119 (4.0')	Solid	05/28/26 01:16	05/28/26 16:09	New Mexico
880-72859-6	CS - 120 (4.0')	Solid	05/28/26 01:20	05/28/26 16:09	New Mexico
880-72859-7	CS - 121 (4.0')	Solid	05/28/26 01:24	05/28/26 16:09	New Mexico
880-72859-8	CS - 122 (4.0')	Solid	05/28/26 01:28	05/28/26 16:09	New Mexico
880-72859-9	CS - 123 (4.0')	Solid	05/28/26 01:32	05/28/26 16:09	New Mexico
880-72859-10	CS - 124 (4.0')	Solid	05/28/26 01:36	05/28/26 16:09	New Mexico
880-72859-11	CS - 125 (4.0')	Solid	05/28/26 01:40	05/28/26 16:09	New Mexico
880-72859-12	CS - 126 (4.0')	Solid	05/28/26 01:44	05/28/26 16:09	New Mexico
880-72859-13	CS - 127 (4.0')	Solid	05/28/26 01:48	05/28/26 16:09	New Mexico

Page 733 of 957

Chain of Custody

880-72859 Chain of Custody

880-72859 COC

6/1/2026

Page 1 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	24 hr
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.3
Total Containers:		Corrected Temperature:	3.4

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS-115 (4.0')	5/28/2026	1:00	X		Comp	1		X	X	X		
CS-116 (4.0')	5/28/2026	1:04	X		Comp	1		X	X	X		
CS-117 (4.0')	5/28/2026	1:08	X		Comp	1		X	X	X		
CS-118 (4.0')	5/28/2026	1:12	X		Comp	1		X	X	X		
CS-119 (4.0')	5/28/2026	1:16	X		Comp	1		X	X	X		
CS-120 (4.0')	5/28/2026	1:20	X		Comp	1		X	X	X		
CS-121 (4.0')	5/28/2026	1:24	X		Comp	1		X	X	X		
CS-122 (4.0')	5/28/2026	1:28	X		Comp	1		X	X	X		
CS-123 (4.0')	5/28/2026	1:32	X		Comp	1		X	X	X		
CS-124 (4.0')	5/28/2026	1:36	X		Comp	1		X	X	X		

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5.28.24 1609		5.28.24 1609
	5.28.24 1700		5.28.24 1700

Page 36 of 38

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Page 734 of 957

Chain of Custody

Work Order No: _____

6/1/2026

Page 2 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	24 hr
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.3
Total Containers:		Corrected Temperature:	3.4

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS-125 (4.0')	5/28/2026	1:40	X		Comp	1		X	X	X		
CS-126 (4.0')	5/28/2026	1:44	X		Comp	1		X	X	X		
CS-127 (4.0')	5/28/2026	1:48	X		Comp	1		X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5.28.26 1609		5.28.26 1609
	5.28.26 1700		5.28.26 1700

Page 37 of 38

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-72859-1
SDG Number: 3202

Login Number: 72859
List Number: 1
Creator: Neeld, Linsey

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.	True	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/1/2026 10:18:14 AM

JOB DESCRIPTION

Matador Gavalon (03.13.2026)
Lea County New Mexico

JOB NUMBER

880-72860-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 6/23/2026 8:46:47 AM

my EOL

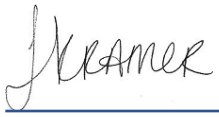
Eurofins Midland

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
6/1/2026 10:18:14 AM

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

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Laboratory Job ID: 880-72860-1
SDG: Lea County New Mexico

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 7
Surrogate Summary 14
QC Sample Results 15
QC Association Summary 21
Lab Chronicle 24
Certification Summary 27
Method Summary 28
Sample Summary 29
Chain of Custody 30
Receipt Checklists 31

Definitions/Glossary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72860-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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: Matador Gavalon (03.13.2026)

Job ID: 880-72860-1

Job ID: 880-72860-1 Eurofins Midland

Job Narrative
880-72860-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 5/28/2026 4:09 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 3.4°C.

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-45 (4.0') (880-72860-2), SW-46 (4.0') (880-72860-3), SW-47 (4.0') (880-72860-4) and (CCV 880-141997/20). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-49 (4.0') (880-72860-6), SW-50 (4.0') (880-72860-7) and SW-51 (4.0') (880-72860-8). Evidence of matrix interferences is not obvious.

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

Diesel Range Organics
Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (MB 880-141926/1-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: The matrix spike (MS) recoveries for preparation batch 880-141926 and analytical batch 880-141904 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: SW-44 (4.0') (880-72860-1), (LCS 880-141984/2-A), (LCSD 880-141984/3-A), (MB 880-141984/1-A) and (880-72859-A-1-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (880-72859-A-1-B MS) and (880-72859-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: SW-47 (4.0') (880-72860-4), SW-49 (4.0') (880-72860-6) and SW-50 (4.0') (880-72860-7). Evidence of matrix interferences is not obvious.

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-141984 and analytical batch 880-141913 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 8015B NM: The continuing calibration verification (CCV) associated with batch 880-141913 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and 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. The associated sample is:(CCV 880-141913/165).

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

HPLC/IC

Case Narrative

Client: Carmona Resources Job ID: 880-72860-1
Project: Matador Gavalon (03.13.2026)

Job ID: 880-72860-1 (Continued) Eurofins Midland

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

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72860-1
SDG: Lea County New Mexico

Client Sample ID: SW-44 (4.0')

Lab Sample ID: 880-72860-1
Matrix: Solid
Date Collected: 05/28/26 02:00
Date Received: 05/28/26 16:09

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		05/29/26 09:52	05/29/26 12:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/29/26 09:52	05/29/26 12:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/29/26 09:52	05/29/26 12:52	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/29/26 09:52	05/29/26 12:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/29/26 09:52	05/29/26 12:52	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/29/26 09:52	05/29/26 12:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*05/29/26 09:52*	*05/29/26 12:52*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*05/29/26 09:52*	*05/29/26 12:52*	*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			05/29/26 12:52	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			05/29/26 06:59	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		05/28/26 20:14	05/29/26 06:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/28/26 20:14	05/29/26 06:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/28/26 20:14	05/29/26 06:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*46*	*S1-*	*70 - 130*	*05/28/26 20:14*	*05/29/26 06:59*	*1*
o-Terphenyl (Surr)	*44*	*S1-*	*70 - 130*	*05/28/26 20:14*	*05/29/26 06:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/29/26 14:38	1

Client Sample ID: SW-45 (4.0')

Lab Sample ID: 880-72860-2
Matrix: Solid
Date Collected: 05/28/26 02:04
Date Received: 05/28/26 16:09

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		05/29/26 09:52	05/29/26 13:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/29/26 09:52	05/29/26 13:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/29/26 09:52	05/29/26 13:12	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/29/26 09:52	05/29/26 13:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/29/26 09:52	05/29/26 13:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/29/26 09:52	05/29/26 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*154*	*S1+*	*70 - 130*	*05/29/26 09:52*	*05/29/26 13:12*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/29/26 09:52*	*05/29/26 13:12*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72860-1
SDG: Lea County New Mexico

Client Sample ID: SW-45 (4.0')

Lab Sample ID: 880-72860-2
Matrix: Solid
Date Collected: 05/28/26 02:04
Date Received: 05/28/26 16:09

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			05/29/26 13:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/29/26 07:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/28/26 20:14	05/29/26 07:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/28/26 20:14	05/29/26 07:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/28/26 20:14	05/29/26 07:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*87*		*70 - 130*	*05/28/26 20:14*	*05/29/26 07:14*	*1*
o-Terphenyl (Surr)	*78*		*70 - 130*	*05/28/26 20:14*	*05/29/26 07:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.5**		10.0		mg/Kg			05/29/26 14:43	1

Client Sample ID: SW-46 (4.0')

Lab Sample ID: 880-72860-3
Matrix: Solid
Date Collected: 05/28/26 02:08
Date Received: 05/28/26 16:09

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		05/29/26 09:52	05/29/26 13:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 13:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 13:33	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/29/26 09:52	05/29/26 13:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 13:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/29/26 09:52	05/29/26 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*207*	*S1+*	*70 - 130*	*05/29/26 09:52*	*05/29/26 13:33*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*05/29/26 09:52*	*05/29/26 13:33*	*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			05/29/26 13:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/29/26 07:29	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		05/28/26 20:14	05/29/26 07:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/28/26 20:14	05/29/26 07:29	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72860-1
SDG: Lea County New Mexico

Client Sample ID: SW-46 (4.0')

Lab Sample ID: 880-72860-3
Matrix: Solid
Date Collected: 05/28/26 02:08
Date Received: 05/28/26 16:09

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		05/28/26 20:14	05/29/26 07:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*05/28/26 20:14*	*05/29/26 07:29*	*1*
o-Terphenyl (Surr)	*82*		*70 - 130*	*05/28/26 20:14*	*05/29/26 07:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.3**		9.96		mg/Kg			05/29/26 14:48	1

Client Sample ID: SW-47 (4.0')

Lab Sample ID: 880-72860-4
Matrix: Solid
Date Collected: 05/28/26 02:12
Date Received: 05/28/26 16:09

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		05/29/26 09:52	05/29/26 15:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/29/26 09:52	05/29/26 15:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/29/26 09:52	05/29/26 15:36	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/29/26 09:52	05/29/26 15:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/29/26 09:52	05/29/26 15:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/29/26 09:52	05/29/26 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*209*	*S1+*	*70 - 130*	*05/29/26 09:52*	*05/29/26 15:36*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*05/29/26 09:52*	*05/29/26 15:36*	*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			05/29/26 15:36	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			05/29/26 07:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/28/26 20:14	05/29/26 07:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/28/26 20:14	05/29/26 07:44	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/28/26 20:14	05/29/26 07:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*71*		*70 - 130*	*05/28/26 20:14*	*05/29/26 07:44*	*1*
o-Terphenyl (Surr)	*65*	*S1-*	*70 - 130*	*05/28/26 20:14*	*05/29/26 07:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**133**		9.94		mg/Kg			05/29/26 14:53	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72860-1
SDG: Lea County New Mexico

Client Sample ID: SW-48 (4.0')

Lab Sample ID: 880-72860-5
Matrix: Solid
Date Collected: 05/28/26 02:16
Date Received: 05/28/26 16:09

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		05/29/26 09:52	05/29/26 15:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/29/26 09:52	05/29/26 15:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/29/26 09:52	05/29/26 15:56	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/29/26 09:52	05/29/26 15:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/29/26 09:52	05/29/26 15:56	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/29/26 09:52	05/29/26 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*05/29/26 09:52*	*05/29/26 15:56*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*05/29/26 09:52*	*05/29/26 15:56*	*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			05/29/26 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/29/26 07:59	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		05/28/26 20:14	05/29/26 07:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/28/26 20:14	05/29/26 07:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/28/26 20:14	05/29/26 07:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*80*		*70 - 130*	*05/28/26 20:14*	*05/29/26 07:59*	*1*
o-Terphenyl (Surr)	*75*		*70 - 130*	*05/28/26 20:14*	*05/29/26 07:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**61.4**		9.90		mg/Kg			05/29/26 14:58	1

Client Sample ID: SW-49 (4.0')

Lab Sample ID: 880-72860-6
Matrix: Solid
Date Collected: 05/28/26 02:20
Date Received: 05/28/26 16:09

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		05/29/26 09:52	05/29/26 16:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/29/26 09:52	05/29/26 16:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/29/26 09:52	05/29/26 16:49	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/29/26 09:52	05/29/26 16:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/29/26 09:52	05/29/26 16:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/29/26 09:52	05/29/26 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*916*	*S1+*	*70 - 130*	*05/29/26 09:52*	*05/29/26 16:49*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*05/29/26 09:52*	*05/29/26 16:49*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72860-1
SDG: Lea County New Mexico

Client Sample ID: SW-49 (4.0')

Lab Sample ID: 880-72860-6
Matrix: Solid
Date Collected: 05/28/26 02:20
Date Received: 05/28/26 16:09

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			05/29/26 16:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/29/26 08:16	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		05/28/26 20:14	05/29/26 08:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/28/26 20:14	05/29/26 08:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/28/26 20:14	05/29/26 08:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*73*		*70 - 130*	*05/28/26 20:14*	*05/29/26 08:16*	*1*
o-Terphenyl (Surr)	*67*	*S1-*	*70 - 130*	*05/28/26 20:14*	*05/29/26 08:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**167**		9.98		mg/Kg			05/29/26 15:14	1

Client Sample ID: SW-50 (4.0')

Lab Sample ID: 880-72860-7
Matrix: Solid
Date Collected: 05/28/26 02:24
Date Received: 05/28/26 16:09

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		05/29/26 09:52	05/29/26 17:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 17:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 17:09	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/29/26 09:52	05/29/26 17:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 17:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/29/26 09:52	05/29/26 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*05/29/26 09:52*	*05/29/26 17:09*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*05/29/26 09:52*	*05/29/26 17:09*	*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			05/29/26 17:09	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			05/29/26 08:31	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	<50.0	U	50.0		mg/Kg		05/28/26 20:14	05/29/26 08:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/28/26 20:14	05/29/26 08:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72860-1
SDG: Lea County New Mexico

Client Sample ID: SW-50 (4.0')

Lab Sample ID: 880-72860-7
Matrix: Solid
Date Collected: 05/28/26 02:24
Date Received: 05/28/26 16:09

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		05/28/26 20:14	05/29/26 08:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*72*		*70 - 130*	*05/28/26 20:14*	*05/29/26 08:31*	*1*
o-Terphenyl (Surr)	*65*	*S1-*	*70 - 130*	*05/28/26 20:14*	*05/29/26 08:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**57.7**		10.1		mg/Kg			05/29/26 15:19	1

Client Sample ID: SW-51 (4.0')

Lab Sample ID: 880-72860-8
Matrix: Solid
Date Collected: 05/28/26 02:28
Date Received: 05/28/26 16:09

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		05/29/26 09:52	05/29/26 17:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 17:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 17:30	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/29/26 09:52	05/29/26 17:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/29/26 09:52	05/29/26 17:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/29/26 09:52	05/29/26 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*187*	*S1+*	*70 - 130*	*05/29/26 09:52*	*05/29/26 17:30*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*05/29/26 09:52*	*05/29/26 17:30*	*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			05/29/26 17:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			05/29/26 05:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		05/28/26 12:28	05/29/26 05:30	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		05/28/26 12:28	05/29/26 05:30	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		05/28/26 12:28	05/29/26 05:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*70*		*70 - 130*	*05/28/26 12:28*	*05/29/26 05:30*	*1*
o-Terphenyl (Surr)	*74*		*70 - 130*	*05/28/26 12:28*	*05/29/26 05:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			05/29/26 15:34	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72860-1
SDG: Lea County New Mexico

Client Sample ID: SW-52 (4.0')

Date Collected: 05/28/26 02:32
Date Received: 05/28/26 16:09

Lab Sample ID: 880-72860-9

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		05/29/26 09:52	05/29/26 17:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/29/26 09:52	05/29/26 17:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/29/26 09:52	05/29/26 17:50	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/29/26 09:52	05/29/26 17:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/29/26 09:52	05/29/26 17:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/29/26 09:52	05/29/26 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*05/29/26 09:52*	*05/29/26 17:50*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*05/29/26 09:52*	*05/29/26 17:50*	*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			05/29/26 17:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/29/26 05:45	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	<50.1	U	50.1		mg/Kg		05/28/26 12:28	05/29/26 05:45	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/28/26 12:28	05/29/26 05:45	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/28/26 12:28	05/29/26 05:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*78*		*70 - 130*	*05/28/26 12:28*	*05/29/26 05:45*	*1*
o-Terphenyl (Surr)	*83*		*70 - 130*	*05/28/26 12:28*	*05/29/26 05:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.5**		9.92		mg/Kg			05/29/26 15:39	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72860-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-72818-A-2-D MS	Matrix Spike	191 S1+	96
880-72818-A-2-E MSD	Matrix Spike Duplicate	170 S1+	73
880-72860-1	SW-44 (4.0')	104	72
880-72860-2	SW-45 (4.0')	154 S1+	99
880-72860-3	SW-46 (4.0')	207 S1+	119
880-72860-4	SW-47 (4.0')	209 S1+	75
880-72860-5	SW-48 (4.0')	101	73
880-72860-6	SW-49 (4.0')	916 S1+	74
880-72860-7	SW-50 (4.0')	132 S1+	71
880-72860-8	SW-51 (4.0')	187 S1+	74
880-72860-9	SW-52 (4.0')	95	71
LCS 880-142006/1-A	Lab Control Sample	155 S1+	91
LCSD 880-142006/2-A	Lab Control Sample Dup	154 S1+	78
MB 880-142006/5-A	Method Blank	184 S1+	71

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)
880-72859-A-1-B MS	Matrix Spike	68 S1-	73
880-72859-A-1-C MSD	Matrix Spike Duplicate	67 S1-	71
880-72860-1	SW-44 (4.0')	46 S1-	44 S1-
880-72860-2	SW-45 (4.0')	87	78
880-72860-3	SW-46 (4.0')	89	82
880-72860-4	SW-47 (4.0')	71	65 S1-
880-72860-5	SW-48 (4.0')	80	75
880-72860-6	SW-49 (4.0')	73	67 S1-
880-72860-7	SW-50 (4.0')	72	65 S1-
880-72860-8	SW-51 (4.0')	70	74
880-72860-9	SW-52 (4.0')	78	83
890-10003-A-21-I MS	Matrix Spike	85	83
890-10003-A-21-J MSD	Matrix Spike Duplicate	84	82
LCS 880-141926/2-A	Lab Control Sample	121	118
LCS 880-141984/2-A	Lab Control Sample	135 S1+	146 S1+
LCSD 880-141926/3-A	Lab Control Sample Dup	116	113
LCSD 880-141984/3-A	Lab Control Sample Dup	133 S1+	143 S1+
MB 880-141926/1-A	Method Blank	72	162 S1+
MB 880-141984/1-A	Method Blank	153 S1+	141 S1+

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72860-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-142006/5-A
Matrix: Solid
Analysis Batch: 141997

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142006

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/29/26 06:00	05/29/26 10:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/29/26 06:00	05/29/26 10:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/29/26 06:00	05/29/26 10:04	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/29/26 06:00	05/29/26 10:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/29/26 06:00	05/29/26 10:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/29/26 06:00	05/29/26 10:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*184*	*S1+*	*70 - 130*	*05/29/26 06:00*	*05/29/26 10:04*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*05/29/26 06:00*	*05/29/26 10:04*	*1*

Lab Sample ID: LCS 880-142006/1-A
Matrix: Solid
Analysis Batch: 141997

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142006

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08978		mg/Kg		90	70 - 130		
Toluene			0.100	0.08112		mg/Kg		81	70 - 130		
Ethylbenzene			0.100	0.09660		mg/Kg		97	70 - 130		
m,p-Xylenes			0.200	0.1975		mg/Kg		99	70 - 130		
o-Xylene			0.100	0.1123		mg/Kg		112	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*155*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: LCSD 880-142006/2-A
Matrix: Solid
Analysis Batch: 141997

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142006

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08781		mg/Kg		88	70 - 130	2	35
Toluene			0.100	0.07660		mg/Kg		77	70 - 130	6	35
Ethylbenzene			0.100	0.09366		mg/Kg		94	70 - 130	3	35
m,p-Xylenes			0.200	0.1933		mg/Kg		97	70 - 130	2	35
o-Xylene			0.100	0.1074		mg/Kg		107	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*154*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*

Lab Sample ID: 880-72818-A-2-D MS
Matrix: Solid
Analysis Batch: 141997

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 142006

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.09931		mg/Kg		99	70 - 130		
Toluene	<0.00200	U	0.100	0.09021		mg/Kg		90	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72860-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72818-A-2-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141997 — **Prep Batch: 142006**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1094		mg/Kg		109	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.2277		mg/Kg		114	70 - 130
o-Xylene	<0.00200	U	0.100	0.1254		mg/Kg		125	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*191*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 880-72818-A-2-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141997 — **Prep Batch: 142006**

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	0.09144		mg/Kg		91	70 - 130	8	35
Toluene	<0.00200	U	0.100	0.08264		mg/Kg		83	70 - 130	9	35
Ethylbenzene	<0.00200	U	0.100	0.09931		mg/Kg		99	70 - 130	10	35
m,p-Xylenes	<0.00399	U	0.200	0.2065		mg/Kg		103	70 - 130	10	35
o-Xylene	<0.00200	U	0.100	0.1129		mg/Kg		113	70 - 130	10	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*170*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*

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

Lab Sample ID: MB 880-141926/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141904 — **Prep Batch: 141926**

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		05/28/26 12:27	05/28/26 23:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/28/26 12:27	05/28/26 23:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/28/26 12:27	05/28/26 23:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*72*		*70 - 130*	*05/28/26 12:27*	*05/28/26 23:42*	*1*
o-Terphenyl (Surr)	*162*	*S1+*	*70 - 130*	*05/28/26 12:27*	*05/28/26 23:42*	*1*

Lab Sample ID: LCS 880-141926/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 141904 — **Prep Batch: 141926**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1019		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1247		mg/Kg		125	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72860-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-141926/2-A
Matrix: Solid
Analysis Batch: 141904

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141926

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	121		70 - 130
o-Terphenyl (Surr)	118		70 - 130

Lab Sample ID: LCSD 880-141926/3-A
Matrix: Solid
Analysis Batch: 141904

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141926

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	971.2		mg/Kg		97	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	1173		mg/Kg		117	70 - 130	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	116		70 - 130
o-Terphenyl (Surr)	113		70 - 130

Lab Sample ID: 890-10003-A-21-I MS
Matrix: Solid
Analysis Batch: 141904

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 141926

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.3	U F1	1000	688.1	F1	mg/Kg		69	70 - 130
Diesel Range Organics (Over C10-C28)	<50.3	U	1000	749.4		mg/Kg		75	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	85		70 - 130
o-Terphenyl (Surr)	83		70 - 130

Lab Sample ID: 890-10003-A-21-J MSD
Matrix: Solid
Analysis Batch: 141904

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 141926

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	<50.3	U F1	1000	704.9		mg/Kg		70	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.3	U	1000	769.0		mg/Kg		77	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	84		70 - 130
o-Terphenyl (Surr)	82		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72860-1
SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-141984/1-A
Matrix: Solid
Analysis Batch: 141913

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141984

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		05/28/26 20:14	05/29/26 02:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/28/26 20:14	05/29/26 02:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/28/26 20:14	05/29/26 02:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*153*	*S1+*	*70 - 130*	*05/28/26 20:14*	*05/29/26 02:07*	*1*
o-Terphenyl (Surr)	*141*	*S1+*	*70 - 130*	*05/28/26 20:14*	*05/29/26 02:07*	*1*

Lab Sample ID: LCS 880-141984/2-A
Matrix: Solid
Analysis Batch: 141913

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141984

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1133		mg/Kg		113	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1263		mg/Kg		126	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*135*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*146*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-141984/3-A
Matrix: Solid
Analysis Batch: 141913

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 141984

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1124		mg/Kg		112	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1251		mg/Kg		125	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*133*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*143*	*S1+*	*70 - 130*

Lab Sample ID: 880-72859-A-1-B MS
Matrix: Solid
Analysis Batch: 141913

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 141984

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1000	490.6	F1	mg/Kg		49	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	518.7	F1	mg/Kg		52	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72860-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72859-A-1-B MS
Matrix: Solid
Analysis Batch: 141913

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 141984

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	68	S1-	70 - 130
o-Terphenyl (Surr)	73		70 - 130

Lab Sample ID: 880-72859-A-1-C MSD
Matrix: Solid
Analysis Batch: 141913

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 141984

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1000	485.9	F1	mg/Kg		49	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	519.0	F1	mg/Kg		52	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	67	S1-	70 - 130
o-Terphenyl (Surr)	71		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-141989/1-A
Matrix: Solid
Analysis Batch: 141993

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			05/29/26 13:31	1

Lab Sample ID: LCS 880-141989/2-A
Matrix: Solid
Analysis Batch: 141993

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.1		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-141989/3-A
Matrix: Solid
Analysis Batch: 141993

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	244.5		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-72860-5 MS
Matrix: Solid
Analysis Batch: 141993

Client Sample ID: SW-48 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	61.4		248	321.6		mg/Kg		105	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72860-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-72860-5 MSD
Matrix: Solid
Analysis Batch: 141993

Client Sample ID: SW-48 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	61.4		248	322.1		mg/Kg		105	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72860-1
SDG: Lea County New Mexico

GC VOA

Analysis Batch: 141997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72860-1	SW-44 (4.0')	Total/NA	Solid	8021B	142006
880-72860-2	SW-45 (4.0')	Total/NA	Solid	8021B	142006
880-72860-3	SW-46 (4.0')	Total/NA	Solid	8021B	142006
880-72860-4	SW-47 (4.0')	Total/NA	Solid	8021B	142006
880-72860-5	SW-48 (4.0')	Total/NA	Solid	8021B	142006
880-72860-6	SW-49 (4.0')	Total/NA	Solid	8021B	142006
880-72860-7	SW-50 (4.0')	Total/NA	Solid	8021B	142006
880-72860-8	SW-51 (4.0')	Total/NA	Solid	8021B	142006
880-72860-9	SW-52 (4.0')	Total/NA	Solid	8021B	142006
MB 880-142006/5-A	Method Blank	Total/NA	Solid	8021B	142006
LCS 880-142006/1-A	Lab Control Sample	Total/NA	Solid	8021B	142006
LCSD 880-142006/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	142006
880-72818-A-2-D MS	Matrix Spike	Total/NA	Solid	8021B	142006
880-72818-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	142006

Prep Batch: 142006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72860-1	SW-44 (4.0')	Total/NA	Solid	5035	
880-72860-2	SW-45 (4.0')	Total/NA	Solid	5035	
880-72860-3	SW-46 (4.0')	Total/NA	Solid	5035	
880-72860-4	SW-47 (4.0')	Total/NA	Solid	5035	
880-72860-5	SW-48 (4.0')	Total/NA	Solid	5035	
880-72860-6	SW-49 (4.0')	Total/NA	Solid	5035	
880-72860-7	SW-50 (4.0')	Total/NA	Solid	5035	
880-72860-8	SW-51 (4.0')	Total/NA	Solid	5035	
880-72860-9	SW-52 (4.0')	Total/NA	Solid	5035	
MB 880-142006/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-142006/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-142006/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-72818-A-2-D MS	Matrix Spike	Total/NA	Solid	5035	
880-72818-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 142113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72860-1	SW-44 (4.0')	Total/NA	Solid	Total BTEX	
880-72860-2	SW-45 (4.0')	Total/NA	Solid	Total BTEX	
880-72860-3	SW-46 (4.0')	Total/NA	Solid	Total BTEX	
880-72860-4	SW-47 (4.0')	Total/NA	Solid	Total BTEX	
880-72860-5	SW-48 (4.0')	Total/NA	Solid	Total BTEX	
880-72860-6	SW-49 (4.0')	Total/NA	Solid	Total BTEX	
880-72860-7	SW-50 (4.0')	Total/NA	Solid	Total BTEX	
880-72860-8	SW-51 (4.0')	Total/NA	Solid	Total BTEX	
880-72860-9	SW-52 (4.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 141904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72860-8	SW-51 (4.0')	Total/NA	Solid	8015B NM	141926
880-72860-9	SW-52 (4.0')	Total/NA	Solid	8015B NM	141926
MB 880-141926/1-A	Method Blank	Total/NA	Solid	8015B NM	141926

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72860-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 141904 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-141926/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	141926
LCSD 880-141926/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	141926
890-10003-A-21-I MS	Matrix Spike	Total/NA	Solid	8015B NM	141926
890-10003-A-21-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	141926

Analysis Batch: 141913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72860-1	SW-44 (4.0')	Total/NA	Solid	8015B NM	141984
880-72860-2	SW-45 (4.0')	Total/NA	Solid	8015B NM	141984
880-72860-3	SW-46 (4.0')	Total/NA	Solid	8015B NM	141984
880-72860-4	SW-47 (4.0')	Total/NA	Solid	8015B NM	141984
880-72860-5	SW-48 (4.0')	Total/NA	Solid	8015B NM	141984
880-72860-6	SW-49 (4.0')	Total/NA	Solid	8015B NM	141984
880-72860-7	SW-50 (4.0')	Total/NA	Solid	8015B NM	141984
MB 880-141984/1-A	Method Blank	Total/NA	Solid	8015B NM	141984
LCS 880-141984/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	141984
LCSD 880-141984/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	141984
880-72859-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	141984
880-72859-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	141984

Prep Batch: 141926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72860-8	SW-51 (4.0')	Total/NA	Solid	8015NM Prep	
880-72860-9	SW-52 (4.0')	Total/NA	Solid	8015NM Prep	
MB 880-141926/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-141926/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-141926/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-10003-A-21-I MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-10003-A-21-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 141984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72860-1	SW-44 (4.0')	Total/NA	Solid	8015NM Prep	
880-72860-2	SW-45 (4.0')	Total/NA	Solid	8015NM Prep	
880-72860-3	SW-46 (4.0')	Total/NA	Solid	8015NM Prep	
880-72860-4	SW-47 (4.0')	Total/NA	Solid	8015NM Prep	
880-72860-5	SW-48 (4.0')	Total/NA	Solid	8015NM Prep	
880-72860-6	SW-49 (4.0')	Total/NA	Solid	8015NM Prep	
880-72860-7	SW-50 (4.0')	Total/NA	Solid	8015NM Prep	
MB 880-141984/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-141984/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-141984/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-72859-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-72859-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 142015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72860-1	SW-44 (4.0')	Total/NA	Solid	8015 NM	
880-72860-2	SW-45 (4.0')	Total/NA	Solid	8015 NM	
880-72860-3	SW-46 (4.0')	Total/NA	Solid	8015 NM	
880-72860-4	SW-47 (4.0')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72860-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 142015 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72860-5	SW-48 (4.0')	Total/NA	Solid	8015 NM	
880-72860-6	SW-49 (4.0')	Total/NA	Solid	8015 NM	
880-72860-7	SW-50 (4.0')	Total/NA	Solid	8015 NM	
880-72860-8	SW-51 (4.0')	Total/NA	Solid	8015 NM	
880-72860-9	SW-52 (4.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 141989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72860-1	SW-44 (4.0')	Soluble	Solid	DI Leach	
880-72860-2	SW-45 (4.0')	Soluble	Solid	DI Leach	
880-72860-3	SW-46 (4.0')	Soluble	Solid	DI Leach	
880-72860-4	SW-47 (4.0')	Soluble	Solid	DI Leach	
880-72860-5	SW-48 (4.0')	Soluble	Solid	DI Leach	
880-72860-6	SW-49 (4.0')	Soluble	Solid	DI Leach	
880-72860-7	SW-50 (4.0')	Soluble	Solid	DI Leach	
880-72860-8	SW-51 (4.0')	Soluble	Solid	DI Leach	
880-72860-9	SW-52 (4.0')	Soluble	Solid	DI Leach	
MB 880-141989/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-141989/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-141989/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-72860-5 MS	SW-48 (4.0')	Soluble	Solid	DI Leach	
880-72860-5 MSD	SW-48 (4.0')	Soluble	Solid	DI Leach	

Analysis Batch: 141993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72860-1	SW-44 (4.0')	Soluble	Solid	300.0	141989
880-72860-2	SW-45 (4.0')	Soluble	Solid	300.0	141989
880-72860-3	SW-46 (4.0')	Soluble	Solid	300.0	141989
880-72860-4	SW-47 (4.0')	Soluble	Solid	300.0	141989
880-72860-5	SW-48 (4.0')	Soluble	Solid	300.0	141989
880-72860-6	SW-49 (4.0')	Soluble	Solid	300.0	141989
880-72860-7	SW-50 (4.0')	Soluble	Solid	300.0	141989
880-72860-8	SW-51 (4.0')	Soluble	Solid	300.0	141989
880-72860-9	SW-52 (4.0')	Soluble	Solid	300.0	141989
MB 880-141989/1-A	Method Blank	Soluble	Solid	300.0	141989
LCS 880-141989/2-A	Lab Control Sample	Soluble	Solid	300.0	141989
LCSD 880-141989/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	141989
880-72860-5 MS	SW-48 (4.0')	Soluble	Solid	300.0	141989
880-72860-5 MSD	SW-48 (4.0')	Soluble	Solid	300.0	141989

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72860-1
SDG: Lea County New Mexico

Client Sample ID: SW-44 (4.0')

Lab Sample ID: 880-72860-1
Date Collected: 05/28/26 02:00
Matrix: Solid
Date Received: 05/28/26 16:09

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	142006	05/29/26 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141997	05/29/26 12:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142113	05/29/26 12:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			142015	05/29/26 06:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	141984	05/28/26 20:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141913	05/29/26 06:59	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	141989	05/29/26 08:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141993	05/29/26 14:38	SMC	EET MID

Client Sample ID: SW-45 (4.0')

Lab Sample ID: 880-72860-2
Date Collected: 05/28/26 02:04
Matrix: Solid
Date Received: 05/28/26 16:09

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	142006	05/29/26 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141997	05/29/26 13:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142113	05/29/26 13:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			142015	05/29/26 07:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141984	05/28/26 20:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141913	05/29/26 07:14	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	141989	05/29/26 08:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141993	05/29/26 14:43	SMC	EET MID

Client Sample ID: SW-46 (4.0')

Lab Sample ID: 880-72860-3
Date Collected: 05/28/26 02:08
Matrix: Solid
Date Received: 05/28/26 16:09

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	142006	05/29/26 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141997	05/29/26 13:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142113	05/29/26 13:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			142015	05/29/26 07:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141984	05/28/26 20:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141913	05/29/26 07:29	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	141989	05/29/26 08:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141993	05/29/26 14:48	SMC	EET MID

Client Sample ID: SW-47 (4.0')

Lab Sample ID: 880-72860-4
Date Collected: 05/28/26 02:12
Matrix: Solid
Date Received: 05/28/26 16:09

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	142006	05/29/26 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141997	05/29/26 15:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142113	05/29/26 15:36	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72860-1
SDG: Lea County New Mexico

Client Sample ID: SW-47 (4.0')

Lab Sample ID: 880-72860-4
Matrix: Solid
Date Collected: 05/28/26 02:12
Date Received: 05/28/26 16:09

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			142015	05/29/26 07:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	141984	05/28/26 20:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141913	05/29/26 07:44	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	141989	05/29/26 08:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141993	05/29/26 14:53	SMC	EET MID

Client Sample ID: SW-48 (4.0')

Lab Sample ID: 880-72860-5
Matrix: Solid
Date Collected: 05/28/26 02:16
Date Received: 05/28/26 16:09

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	142006	05/29/26 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141997	05/29/26 15:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142113	05/29/26 15:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			142015	05/29/26 07:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141984	05/28/26 20:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141913	05/29/26 07:59	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	141989	05/29/26 08:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141993	05/29/26 14:58	SMC	EET MID

Client Sample ID: SW-49 (4.0')

Lab Sample ID: 880-72860-6
Matrix: Solid
Date Collected: 05/28/26 02:20
Date Received: 05/28/26 16:09

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	142006	05/29/26 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141997	05/29/26 16:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142113	05/29/26 16:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			142015	05/29/26 08:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	141984	05/28/26 20:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141913	05/29/26 08:16	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	141989	05/29/26 08:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141993	05/29/26 15:14	SMC	EET MID

Client Sample ID: SW-50 (4.0')

Lab Sample ID: 880-72860-7
Matrix: Solid
Date Collected: 05/28/26 02:24
Date Received: 05/28/26 16:09

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	142006	05/29/26 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141997	05/29/26 17:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142113	05/29/26 17:09	SA	EET MID
Total/NA	Analysis	8015 NM		1			142015	05/29/26 08:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	141984	05/28/26 20:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141913	05/29/26 08:31	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72860-1
SDG: Lea County New Mexico

Client Sample ID: SW-50 (4.0')

Lab Sample ID: 880-72860-7
Matrix: Solid
Date Collected: 05/28/26 02:24
Date Received: 05/28/26 16:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	141989	05/29/26 08:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141993	05/29/26 15:19	SMC	EET MID

Client Sample ID: SW-51 (4.0')

Lab Sample ID: 880-72860-8
Matrix: Solid
Date Collected: 05/28/26 02:28
Date Received: 05/28/26 16:09

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	142006	05/29/26 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141997	05/29/26 17:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142113	05/29/26 17:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			142015	05/29/26 05:30	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	141926	05/28/26 12:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141904	05/29/26 05:30	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	141989	05/29/26 08:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141993	05/29/26 15:34	SMC	EET MID

Client Sample ID: SW-52 (4.0')

Lab Sample ID: 880-72860-9
Matrix: Solid
Date Collected: 05/28/26 02:32
Date Received: 05/28/26 16:09

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	142006	05/29/26 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141997	05/29/26 17:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142113	05/29/26 17:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			142015	05/29/26 05:45	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141926	05/28/26 12:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141904	05/29/26 05:45	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	141989	05/29/26 08:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141993	05/29/26 15:39	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-72860-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. 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: Matador Gavalon (03.13.2026)

Job ID: 880-72860-1
SDG: Lea County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72860-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-72860-1	SW-44 (4.0')	Solid	05/28/26 02:00	05/28/26 16:09	New Mexico
880-72860-2	SW-45 (4.0')	Solid	05/28/26 02:04	05/28/26 16:09	New Mexico
880-72860-3	SW-46 (4.0')	Solid	05/28/26 02:08	05/28/26 16:09	New Mexico
880-72860-4	SW-47 (4.0')	Solid	05/28/26 02:12	05/28/26 16:09	New Mexico
880-72860-5	SW-48 (4.0')	Solid	05/28/26 02:16	05/28/26 16:09	New Mexico
880-72860-6	SW-49 (4.0')	Solid	05/28/26 02:20	05/28/26 16:09	New Mexico
880-72860-7	SW-50 (4.0')	Solid	05/28/26 02:24	05/28/26 16:09	New Mexico
880-72860-8	SW-51 (4.0')	Solid	05/28/26 02:28	05/28/26 16:09	New Mexico
880-72860-9	SW-52 (4.0')	Solid	05/28/26 02:32	05/28/26 16:09	New Mexico

Page 765 of 957

Chain of Custody

880-72860 Chain of Custody

880-72860 COC

6/1/2026

Page 1 of 1

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ perfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date:	24 hr
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT	Temp Blank: Yes (No)	Wet Ice: (Yes) No	
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.3
Total Containers:		Corrected Temperature:	3.4

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
SW-44 (4.0')	5/28/2026	2:00	X		Comp	1		X	X	X		
SW-45 (4.0')	5/28/2026	2:04	X		Comp	1		X	X	X		
SW-46 (4.0')	5/28/2026	2:08	X		Comp	1		X	X	X		
SW-47 (4.0')	5/28/2026	2:12	X		Comp	1		X	X	X		
SW-48 (4.0')	5/28/2026	2:16	X		Comp	1		X	X	X		
SW-49 (4.0')	5/28/2026	2:20	X		Comp	1		X	X	X		
SW-50 (4.0')	5/28/2026	2:24	X		Comp	1		X	X	X		
SW-51 (4.0')	5/28/2026	2:28	X		Comp	1		X	X	X		
SW-52 (4.0')	5/28/2026	2:32	X		Comp	1		X	X	X		

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5.28.26 1609		5.28.26 1609

Page 30 of 31

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-72860-1
SDG Number: Lea County New Mexico

Login Number: 72860
List Number: 1
Creator: Neeld, Linsey

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.	True	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/1/2026 4:48:08 PM

JOB DESCRIPTION

Matador Gavalon (03.13.2026)
Lea County New Mexico

JOB NUMBER

880-72903-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 6/23/2026 8:46:47 AM

my EOL

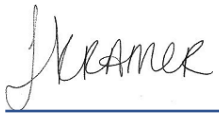
Eurofins Midland

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
6/1/2026 4:48:08 PM

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

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Laboratory Job ID: 880-72903-1
SDG: Lea County New Mexico

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 16
QC Sample Results 18
QC Association Summary 26
Lab Chronicle 31
Certification Summary 35
Method Summary 36
Sample Summary 37
Chain of Custody 38
Receipt Checklists 40

Definitions/Glossary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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.
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: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1

Job ID: 880-72903-1 Eurofins Midland

Job Narrative
880-72903-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 5/29/2026 3:46 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 3.5°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-128(4.0') (880-72903-1), CS-129(4.0') (880-72903-2), CS-130(4.0') (880-72903-3), CS-131(4.0') (880-72903-4), CS-132(4.0') (880-72903-5), CS-133(4.0') (880-72903-6), CS-134(4.0') (880-72903-7), CS-135(4.0') (880-72903-8), CS-136(4.0') (880-72903-9), CS-137(4.0') (880-72903-10), CS-138(4.0') (880-72903-11), CS-139(4.0') (880-72903-12) and CS-140(4.0') (880-72903-13).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-142155 and analytical batch 880-142162 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-128(4.0') (880-72903-1), CS-129(4.0') (880-72903-2), CS-130(4.0') (880-72903-3), CS-131(4.0') (880-72903-4), CS-132(4.0') (880-72903-5), (LCS 880-142198/1-A), (LCSD 880-142198/2-A), (MB 880-142198/5-A), (880-72903-A-1-E MS) and (880-72903-A-1-F 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.

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

HPLC/IC
Method 300.0 - Soluble: Due to the high concentration of Chloride, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 880-142076 and analytical batch 880-142139 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

The associated samples are: (880-72887-A-1-C MS) and (880-72887-A-1-D MSD).

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

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

Client Sample ID: CS-128(4.0')

Lab Sample ID: 880-72903-1
Matrix: Solid
Date Collected: 05/29/26 10:02
Date Received: 05/29/26 15:46

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		06/01/26 08:00	06/01/26 14:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/01/26 08:00	06/01/26 14:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/01/26 08:00	06/01/26 14:46	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		06/01/26 08:00	06/01/26 14:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/01/26 08:00	06/01/26 14:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/01/26 08:00	06/01/26 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*195*	*S1+*	*70 - 130*	*06/01/26 08:00*	*06/01/26 14:46*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*06/01/26 08:00*	*06/01/26 14:46*	*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			06/01/26 14:46	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			06/01/26 10:43	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	<50.0	U	50.0		mg/Kg		05/29/26 16:25	06/01/26 10:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/29/26 16:25	06/01/26 10:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/29/26 16:25	06/01/26 10:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*96*		*70 - 130*	*05/29/26 16:25*	*06/01/26 10:43*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*05/29/26 16:25*	*06/01/26 10:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**108**		9.96		mg/Kg			05/30/26 20:59	1

Client Sample ID: CS-129(4.0')

Lab Sample ID: 880-72903-2
Matrix: Solid
Date Collected: 05/29/26 10:06
Date Received: 05/29/26 15:46

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		06/01/26 08:00	06/01/26 15:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/01/26 08:00	06/01/26 15:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/01/26 08:00	06/01/26 15:07	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		06/01/26 08:00	06/01/26 15:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/01/26 08:00	06/01/26 15:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/01/26 08:00	06/01/26 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*192*	*S1+*	*70 - 130*	*06/01/26 08:00*	*06/01/26 15:07*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*06/01/26 08:00*	*06/01/26 15:07*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

Client Sample ID: CS-129(4.0')

Lab Sample ID: 880-72903-2
Matrix: Solid
Date Collected: 05/29/26 10:06
Date Received: 05/29/26 15:46

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			06/01/26 15:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			06/01/26 11:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		05/29/26 16:25	06/01/26 11:26	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		05/29/26 16:25	06/01/26 11:26	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		05/29/26 16:25	06/01/26 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*96*		*70 - 130*	*05/29/26 16:25*	*06/01/26 11:26*	*1*
o-Terphenyl (Surr)	*97*		*70 - 130*	*05/29/26 16:25*	*06/01/26 11:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**39.4**		9.92		mg/Kg			05/30/26 21:04	1

Client Sample ID: CS-130(4.0')

Lab Sample ID: 880-72903-3
Matrix: Solid
Date Collected: 05/29/26 10:10
Date Received: 05/29/26 15:46

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		06/01/26 08:00	06/01/26 15:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/01/26 08:00	06/01/26 15:27	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/01/26 08:00	06/01/26 15:27	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		06/01/26 08:00	06/01/26 15:27	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/01/26 08:00	06/01/26 15:27	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/01/26 08:00	06/01/26 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*177*	*S1+*	*70 - 130*	*06/01/26 08:00*	*06/01/26 15:27*	*1*
1,4-Difluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*06/01/26 08:00*	*06/01/26 15:27*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			06/01/26 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/01/26 11:41	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	<49.8	U	49.8		mg/Kg		05/29/26 16:25	06/01/26 11:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/29/26 16:25	06/01/26 11:41	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

Client Sample ID: CS-130(4.0')

Lab Sample ID: 880-72903-3
Matrix: Solid
Date Collected: 05/29/26 10:10
Date Received: 05/29/26 15:46

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		05/29/26 16:25	06/01/26 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*91*		*70 - 130*	*05/29/26 16:25*	*06/01/26 11:41*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*05/29/26 16:25*	*06/01/26 11:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.0**		9.94		mg/Kg			05/30/26 21:09	1

Client Sample ID: CS-131(4.0')

Lab Sample ID: 880-72903-4
Matrix: Solid
Date Collected: 05/29/26 10:14
Date Received: 05/29/26 15:46

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		06/01/26 08:00	06/01/26 15:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/01/26 08:00	06/01/26 15:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/01/26 08:00	06/01/26 15:48	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		06/01/26 08:00	06/01/26 15:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/01/26 08:00	06/01/26 15:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/01/26 08:00	06/01/26 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*148*	*S1+*	*70 - 130*	*06/01/26 08:00*	*06/01/26 15:48*	*1*
1,4-Difluorobenzene (Surr)	*65*	*S1-*	*70 - 130*	*06/01/26 08:00*	*06/01/26 15:48*	*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			06/01/26 15:48	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			06/01/26 11:56	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	<49.9	U	49.9		mg/Kg		05/29/26 16:25	06/01/26 11:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/29/26 16:25	06/01/26 11:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/29/26 16:25	06/01/26 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*05/29/26 16:25*	*06/01/26 11:56*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*05/29/26 16:25*	*06/01/26 11:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/31/26 09:45	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

Client Sample ID: CS-132(4.0')

Lab Sample ID: 880-72903-5
Matrix: Solid
Date Collected: 05/29/26 10:18
Date Received: 05/29/26 15:46

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		06/01/26 08:00	06/01/26 16:08	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/01/26 08:00	06/01/26 16:08	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/01/26 08:00	06/01/26 16:08	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		06/01/26 08:00	06/01/26 16:08	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/01/26 08:00	06/01/26 16:08	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/01/26 08:00	06/01/26 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*06/01/26 08:00*	*06/01/26 16:08*	*1*
1,4-Difluorobenzene (Surr)	*55*	*S1-*	*70 - 130*	*06/01/26 08:00*	*06/01/26 16:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/01/26 16:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			06/01/26 12:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		05/29/26 16:25	06/01/26 12:10	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		05/29/26 16:25	06/01/26 12:10	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		05/29/26 16:25	06/01/26 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*05/29/26 16:25*	*06/01/26 12:10*	*1*
o-Terphenyl (Surr)	*95*		*70 - 130*	*05/29/26 16:25*	*06/01/26 12:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**27.2**		9.98		mg/Kg			05/30/26 21:29	1

Client Sample ID: CS-133(4.0')

Lab Sample ID: 880-72903-6
Matrix: Solid
Date Collected: 05/29/26 10:21
Date Received: 05/29/26 15:46

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		05/31/26 16:42	06/01/26 12:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/31/26 16:42	06/01/26 12:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/31/26 16:42	06/01/26 12:48	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/31/26 16:42	06/01/26 12:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/31/26 16:42	06/01/26 12:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/31/26 16:42	06/01/26 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*05/31/26 16:42*	*06/01/26 12:48*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/31/26 16:42*	*06/01/26 12:48*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

Client Sample ID: CS-133(4.0')

Lab Sample ID: 880-72903-6
Matrix: Solid
Date Collected: 05/29/26 10:21
Date Received: 05/29/26 15:46

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			06/01/26 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/01/26 12:25	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	<50.1	U	50.1		mg/Kg		05/29/26 16:25	06/01/26 12:25	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/29/26 16:25	06/01/26 12:25	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/29/26 16:25	06/01/26 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*05/29/26 16:25*	*06/01/26 12:25*	*1*
o-Terphenyl (Surr)	*102*		*70 - 130*	*05/29/26 16:25*	*06/01/26 12:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			05/30/26 21:44	1

Client Sample ID: CS-134(4.0')

Lab Sample ID: 880-72903-7
Matrix: Solid
Date Collected: 05/29/26 10:25
Date Received: 05/29/26 15:46

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		05/31/26 16:42	06/01/26 13:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/31/26 16:42	06/01/26 13:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/31/26 16:42	06/01/26 13:08	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/31/26 16:42	06/01/26 13:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/31/26 16:42	06/01/26 13:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/31/26 16:42	06/01/26 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*05/31/26 16:42*	*06/01/26 13:08*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*05/31/26 16:42*	*06/01/26 13:08*	*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			06/01/26 13:08	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			06/01/26 12:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/29/26 16:25	06/01/26 12:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/29/26 16:25	06/01/26 12:39	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

Client Sample ID: CS-134(4.0')

Lab Sample ID: 880-72903-7
Matrix: Solid
Date Collected: 05/29/26 10:25
Date Received: 05/29/26 15:46

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		05/29/26 16:25	06/01/26 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*05/29/26 16:25*	*06/01/26 12:39*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*05/29/26 16:25*	*06/01/26 12:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.4**		10.0		mg/Kg			05/30/26 21:49	1

Client Sample ID: CS-135(4.0')

Lab Sample ID: 880-72903-8
Matrix: Solid
Date Collected: 05/29/26 10:29
Date Received: 05/29/26 15:46

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		05/31/26 16:42	06/01/26 13:29	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/31/26 16:42	06/01/26 13:29	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/31/26 16:42	06/01/26 13:29	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/31/26 16:42	06/01/26 13:29	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/31/26 16:42	06/01/26 13:29	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/31/26 16:42	06/01/26 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/31/26 16:42*	*06/01/26 13:29*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*05/31/26 16:42*	*06/01/26 13:29*	*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			06/01/26 13:29	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			06/01/26 12:54	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	<49.9	U	49.9		mg/Kg		05/29/26 16:25	06/01/26 12:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/29/26 16:25	06/01/26 12:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/29/26 16:25	06/01/26 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*05/29/26 16:25*	*06/01/26 12:54*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*05/29/26 16:25*	*06/01/26 12:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.9**		10.0		mg/Kg			05/30/26 21:54	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

Client Sample ID: CS-136(4.0')

Lab Sample ID: 880-72903-9
Matrix: Solid
Date Collected: 05/29/26 10:33
Date Received: 05/29/26 15:46

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		05/31/26 16:43	06/01/26 14:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/31/26 16:43	06/01/26 14:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/31/26 16:43	06/01/26 14:04	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/31/26 16:43	06/01/26 14:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/31/26 16:43	06/01/26 14:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/31/26 16:43	06/01/26 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*05/31/26 16:43*	*06/01/26 14:04*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/31/26 16:43*	*06/01/26 14:04*	*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			06/01/26 14:04	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			06/01/26 13:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/29/26 16:25	06/01/26 13:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/29/26 16:25	06/01/26 13:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/29/26 16:25	06/01/26 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*97*		*70 - 130*	*05/29/26 16:25*	*06/01/26 13:09*	*1*
o-Terphenyl (Surr)	*100*		*70 - 130*	*05/29/26 16:25*	*06/01/26 13:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.4**		9.96		mg/Kg			05/30/26 21:59	1

Client Sample ID: CS-137(4.0')

Lab Sample ID: 880-72903-10
Matrix: Solid
Date Collected: 05/29/26 10:39
Date Received: 05/29/26 15:46

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		05/31/26 16:43	06/01/26 14:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/31/26 16:43	06/01/26 14:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/31/26 16:43	06/01/26 14:24	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/31/26 16:43	06/01/26 14:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/31/26 16:43	06/01/26 14:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/31/26 16:43	06/01/26 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*05/31/26 16:43*	*06/01/26 14:24*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/31/26 16:43*	*06/01/26 14:24*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

Client Sample ID: CS-137(4.0')

Lab Sample ID: 880-72903-10
Matrix: Solid
Date Collected: 05/29/26 10:39
Date Received: 05/29/26 15:46

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			06/01/26 14:24	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			06/01/26 13:23	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		05/29/26 16:25	06/01/26 13:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/29/26 16:25	06/01/26 13:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/29/26 16:25	06/01/26 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*05/29/26 16:25*	*06/01/26 13:23*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*05/29/26 16:25*	*06/01/26 13:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.7**		9.98		mg/Kg			05/30/26 22:04	1

Client Sample ID: CS-138(4.0')

Lab Sample ID: 880-72903-11
Matrix: Solid
Date Collected: 05/29/26 10:43
Date Received: 05/29/26 15:46

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		05/31/26 16:43	06/01/26 14:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/31/26 16:43	06/01/26 14:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/31/26 16:43	06/01/26 14:45	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		05/31/26 16:43	06/01/26 14:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/31/26 16:43	06/01/26 14:45	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/31/26 16:43	06/01/26 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*05/31/26 16:43*	*06/01/26 14:45*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*05/31/26 16:43*	*06/01/26 14:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			06/01/26 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/01/26 13:52	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		05/29/26 16:25	06/01/26 13:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/29/26 16:25	06/01/26 13:52	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

Client Sample ID: CS-138(4.0')

Lab Sample ID: 880-72903-11
Matrix: Solid
Date Collected: 05/29/26 10:43
Date Received: 05/29/26 15:46

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		05/29/26 16:25	06/01/26 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*90*		*70 - 130*	*05/29/26 16:25*	*06/01/26 13:52*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*05/29/26 16:25*	*06/01/26 13:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**40.3**		10.0		mg/Kg			05/30/26 22:09	1

Client Sample ID: CS-139(4.0')

Lab Sample ID: 880-72903-12
Matrix: Solid
Date Collected: 05/29/26 10:48
Date Received: 05/29/26 15:46

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		05/31/26 16:43	06/01/26 15:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/31/26 16:43	06/01/26 15:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/31/26 16:43	06/01/26 15:06	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/31/26 16:43	06/01/26 15:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/31/26 16:43	06/01/26 15:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/31/26 16:43	06/01/26 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*05/31/26 16:43*	*06/01/26 15:06*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/31/26 16:43*	*06/01/26 15:06*	*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			06/01/26 15:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/01/26 14:07	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		05/29/26 16:25	06/01/26 14:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/29/26 16:25	06/01/26 14:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/29/26 16:25	06/01/26 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*87*		*70 - 130*	*05/29/26 16:25*	*06/01/26 14:07*	*1*
o-Terphenyl (Surr)	*89*		*70 - 130*	*05/29/26 16:25*	*06/01/26 14:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.6**		10.0		mg/Kg			05/30/26 22:14	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

Client Sample ID: CS-140(4.0')

Date Collected: 05/29/26 10:51
Date Received: 05/29/26 15:46

Lab Sample ID: 880-72903-13

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/31/26 16:43	06/01/26 15:27	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/31/26 16:43	06/01/26 15:27	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/31/26 16:43	06/01/26 15:27	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		05/31/26 16:43	06/01/26 15:27	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/31/26 16:43	06/01/26 15:27	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/31/26 16:43	06/01/26 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*05/31/26 16:43*	*06/01/26 15:27*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/31/26 16:43*	*06/01/26 15:27*	*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			06/01/26 15:27	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			06/01/26 14:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/29/26 16:25	06/01/26 14:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/29/26 16:25	06/01/26 14:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/29/26 16:25	06/01/26 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*90*		*70 - 130*	*05/29/26 16:25*	*06/01/26 14:21*	*1*
o-Terphenyl (Surr)	*91*		*70 - 130*	*05/29/26 16:25*	*06/01/26 14:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**132**		9.96		mg/Kg			05/30/26 19:14	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-72903-1	CS-128(4.0')	195 S1+	80
880-72903-1 MS	CS-128(4.0')	194 S1+	79
880-72903-1 MSD	CS-128(4.0')	181 S1+	92
880-72903-2	CS-129(4.0')	192 S1+	75
880-72903-3	CS-130(4.0')	177 S1+	68 S1-
880-72903-4	CS-131(4.0')	148 S1+	65 S1-
880-72903-5	CS-132(4.0')	135 S1+	55 S1-
880-72903-6	CS-133(4.0')	108	98
880-72903-6 MS	CS-133(4.0')	110	100
880-72903-6 MSD	CS-133(4.0')	110	100
880-72903-7	CS-134(4.0')	103	87
880-72903-8	CS-135(4.0')	111	89
880-72903-9	CS-136(4.0')	103	93
880-72903-9 MS	CS-136(4.0')	101	97
880-72903-9 MSD	CS-136(4.0')	101	102
880-72903-10	CS-137(4.0')	107	100
880-72903-11	CS-138(4.0')	112	110
880-72903-12	CS-139(4.0')	106	102
880-72903-13	CS-140(4.0')	102	99
LCS 880-142155/1-A	Lab Control Sample	103	96
LCS 880-142156/1-A	Lab Control Sample	102	99
LCS 880-142198/1-A	Lab Control Sample	165 S1+	111
LCSD 880-142155/2-A	Lab Control Sample Dup	99	111
LCSD 880-142156/2-A	Lab Control Sample Dup	103	103
LCSD 880-142198/2-A	Lab Control Sample Dup	192 S1+	79
MB 880-142155/5-A	Method Blank	310 S1+	123
MB 880-142156/5-A	Method Blank	94	95
MB 880-142198/5-A	Method Blank	238 S1+	76

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)
880-72903-1	CS-128(4.0')	96	99
880-72903-1 MS	CS-128(4.0')	101	92
880-72903-1 MSD	CS-128(4.0')	100	90
880-72903-2	CS-129(4.0')	96	97
880-72903-3	CS-130(4.0')	91	93
880-72903-4	CS-131(4.0')	102	103
880-72903-5	CS-132(4.0')	92	95
880-72903-6	CS-133(4.0')	99	102
880-72903-7	CS-134(4.0')	99	101
880-72903-8	CS-135(4.0')	89	92
880-72903-9	CS-136(4.0')	97	100

Surrogate Summary

Client: Carmona Resources
Job ID: 880-72903-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County New Mexico

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
880-72903-10	CS-137(4.0')	98	101								
880-72903-11	CS-138(4.0')	90	93								
880-72903-12	CS-139(4.0')	87	89								
880-72903-13	CS-140(4.0')	90	91								
LCS 880-142094/2-A	Lab Control Sample	94	85								
LCSD 880-142094/3-A	Lab Control Sample Dup	93	83								
MB 880-142094/1-A	Method Blank	79	80								

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-142155/5-A
Matrix: Solid
Analysis Batch: 142162

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142155

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/31/26 16:42	06/01/26 12:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/31/26 16:42	06/01/26 12:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/31/26 16:42	06/01/26 12:19	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/31/26 16:42	06/01/26 12:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/31/26 16:42	06/01/26 12:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/31/26 16:42	06/01/26 12:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*310*	*S1+*	*70 - 130*	*05/31/26 16:42*	*06/01/26 12:19*	*1*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*	*05/31/26 16:42*	*06/01/26 12:19*	*1*

Lab Sample ID: LCS 880-142155/1-A
Matrix: Solid
Analysis Batch: 142162

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142155

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09584		mg/Kg		96	70 - 130		
Toluene			0.100	0.09282		mg/Kg		93	70 - 130		
Ethylbenzene			0.100	0.1015		mg/Kg		102	70 - 130		
m,p-Xylenes			0.200	0.1997		mg/Kg		100	70 - 130		
o-Xylene			0.100	0.1135		mg/Kg		114	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-142155/2-A
Matrix: Solid
Analysis Batch: 142162

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142155

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09570		mg/Kg		96	70 - 130	0	35
Toluene			0.100	0.08091		mg/Kg		81	70 - 130	14	35
Ethylbenzene			0.100	0.09325		mg/Kg		93	70 - 130	9	35
m,p-Xylenes			0.200	0.1846		mg/Kg		92	70 - 130	8	35
o-Xylene			0.100	0.1063		mg/Kg		106	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: 880-72903-6 MS
Matrix: Solid
Analysis Batch: 142162

Client Sample ID: CS-133(4.0')
Prep Type: Total/NA
Prep Batch: 142155

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.09428		mg/Kg		94	70 - 130		
Toluene	<0.00200	U	0.100	0.08040		mg/Kg		80	70 - 130		

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72903-6 MS — **Client Sample ID: CS-133(4.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 142162 — **Prep Batch: 142155**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09010		mg/Kg		90	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1862		mg/Kg		93	70 - 130
o-Xylene	<0.00200	U	0.100	0.1088		mg/Kg		109	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-72903-6 MSD — **Client Sample ID: CS-133(4.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 142162 — **Prep Batch: 142155**

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	0.09532		mg/Kg		95	70 - 130	1	35
Toluene	<0.00200	U	0.100	0.08829		mg/Kg		88	70 - 130	9	35
Ethylbenzene	<0.00200	U	0.100	0.09915		mg/Kg		99	70 - 130	10	35
m,p-Xylenes	<0.00399	U	0.200	0.1920		mg/Kg		96	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.1109		mg/Kg		111	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 880-142156/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 142163 — **Prep Batch: 142156**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/31/26 16:43	06/01/26 13:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/31/26 16:43	06/01/26 13:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/31/26 16:43	06/01/26 13:42	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/31/26 16:43	06/01/26 13:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/31/26 16:43	06/01/26 13:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/31/26 16:43	06/01/26 13:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*05/31/26 16:43*	*06/01/26 13:42*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/31/26 16:43*	*06/01/26 13:42*	*1*

Lab Sample ID: LCS 880-142156/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 142163 — **Prep Batch: 142156**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1003		mg/Kg		100	70 - 130
Toluene	0.100	0.1034		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1001		mg/Kg		100	70 - 130
m,p-Xylenes	0.200	0.2021		mg/Kg		101	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-142156/1-A
Matrix: Solid
Analysis Batch: 142163

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142156

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.09913		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-142156/2-A
Matrix: Solid
Analysis Batch: 142163

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142156

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1028		mg/Kg		103	70 - 130	2	35
Toluene			0.100	0.1067		mg/Kg		107	70 - 130	3	35
Ethylbenzene			0.100	0.1012		mg/Kg		101	70 - 130	1	35
m,p-Xylenes			0.200	0.2067		mg/Kg		103	70 - 130	2	35
o-Xylene			0.100	0.1015		mg/Kg		101	70 - 130	2	35

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

Lab Sample ID: 880-72903-9 MS
Matrix: Solid
Analysis Batch: 142163

Client Sample ID: CS-136(4.0')
Prep Type: Total/NA
Prep Batch: 142156

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.08141		mg/Kg		81	70 - 130		
Toluene	<0.00200	U	0.100	0.08628		mg/Kg		86	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.08218		mg/Kg		82	70 - 130		
m,p-Xylenes	<0.00399	U	0.200	0.1676		mg/Kg		84	70 - 130		
o-Xylene	<0.00200	U	0.100	0.08505		mg/Kg		85	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-72903-9 MSD
Matrix: Solid
Analysis Batch: 142163

Client Sample ID: CS-136(4.0')
Prep Type: Total/NA
Prep Batch: 142156

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	0.08497		mg/Kg		85	70 - 130	4	35
Toluene	<0.00200	U	0.100	0.08757		mg/Kg		88	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.08483		mg/Kg		85	70 - 130	3	35
m,p-Xylenes	<0.00399	U	0.200	0.1707		mg/Kg		85	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.08551		mg/Kg		86	70 - 130	1	35

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72903-9 MSD
Matrix: Solid
Analysis Batch: 142163

Client Sample ID: CS-136(4.0')
Prep Type: Total/NA
Prep Batch: 142156

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: MB 880-142198/5-A
Matrix: Solid
Analysis Batch: 142158

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142198

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/01/26 08:00	06/01/26 14:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/01/26 08:00	06/01/26 14:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/01/26 08:00	06/01/26 14:25	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		06/01/26 08:00	06/01/26 14:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/01/26 08:00	06/01/26 14:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/01/26 08:00	06/01/26 14:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	238	S1+	70 - 130	06/01/26 08:00	06/01/26 14:25	1
1,4-Difluorobenzene (Surr)	76		70 - 130	06/01/26 08:00	06/01/26 14:25	1

Lab Sample ID: LCS 880-142198/1-A
Matrix: Solid
Analysis Batch: 142158

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142198

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1098		mg/Kg		110	70 - 130
Toluene	0.100	0.08731		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.1009		mg/Kg		101	70 - 130
m,p-Xylenes	0.200	0.2051		mg/Kg		103	70 - 130
o-Xylene	0.100	0.1123		mg/Kg		112	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	165	S1+	70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-142198/2-A
Matrix: Solid
Analysis Batch: 142158

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142198

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1135		mg/Kg		114	70 - 130	3	35
Toluene	0.100	0.09624		mg/Kg		96	70 - 130	10	35
Ethylbenzene	0.100	0.1139		mg/Kg		114	70 - 130	12	35
m,p-Xylenes	0.200	0.2331		mg/Kg		117	70 - 130	13	35
o-Xylene	0.100	0.1274		mg/Kg		127	70 - 130	13	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	192	S1+	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCSD 880-142198/2-A
Matrix: Solid
Analysis Batch: 142158

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142198

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Difluorobenzene (Surr)	79		70 - 130

Lab Sample ID: 880-72903-1 MS
Matrix: Solid
Analysis Batch: 142158

Client Sample ID: CS-128(4.0')
Prep Type: Total/NA
Prep Batch: 142198

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1066		mg/Kg		107	70 - 130
Toluene	<0.00200	U	0.100	0.09061		mg/Kg		91	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1053		mg/Kg		105	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.2205		mg/Kg		110	70 - 130
o-Xylene	<0.00200	U	0.100	0.1215		mg/Kg		121	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	194	S1+	70 - 130
1,4-Difluorobenzene (Surr)	79		70 - 130

Lab Sample ID: 880-72903-1 MSD
Matrix: Solid
Analysis Batch: 142158

Client Sample ID: CS-128(4.0')
Prep Type: Total/NA
Prep Batch: 142198

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	0.1017		mg/Kg		102	70 - 130	5	35
Toluene	<0.00200	U	0.100	0.08354		mg/Kg		84	70 - 130	8	35
Ethylbenzene	<0.00200	U	0.100	0.1018		mg/Kg		102	70 - 130	3	35
m,p-Xylenes	<0.00399	U	0.200	0.2067		mg/Kg		103	70 - 130	6	35
o-Xylene	<0.00200	U	0.100	0.1140		mg/Kg		114	70 - 130	6	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	181	S1+	70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

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

Lab Sample ID: MB 880-142094/1-A
Matrix: Solid
Analysis Batch: 142179

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142094

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		05/29/26 16:25	06/01/26 09:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/29/26 16:25	06/01/26 09:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/29/26 16:25	06/01/26 09:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130	05/29/26 16:25	06/01/26 09:05	1
o-Terphenyl (Surr)	80		70 - 130	05/29/26 16:25	06/01/26 09:05	1

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-142094/2-A
Matrix: Solid
Analysis Batch: 142179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142094

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	950.1		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1000		mg/Kg		100	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*94*		*70 - 130*
o-Terphenyl (Surr)	*85*		*70 - 130*

Lab Sample ID: LCSD 880-142094/3-A
Matrix: Solid
Analysis Batch: 142179

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142094

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	952.0		mg/Kg		95	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	961.8		mg/Kg		96	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*93*		*70 - 130*
o-Terphenyl (Surr)	*83*		*70 - 130*

Lab Sample ID: 880-72903-1 MS
Matrix: Solid
Analysis Batch: 142179

Client Sample ID: CS-128(4.0')
Prep Type: Total/NA
Prep Batch: 142094

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	1000	847.3		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	866.4		mg/Kg		87	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*101*		*70 - 130*
o-Terphenyl (Surr)	*92*		*70 - 130*

Lab Sample ID: 880-72903-1 MSD
Matrix: Solid
Analysis Batch: 142179

Client Sample ID: CS-128(4.0')
Prep Type: Total/NA
Prep Batch: 142094

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	1000	826.0		mg/Kg		83	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	897.5		mg/Kg		90	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*100*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-72903-1 MSD
Matrix: Solid
Analysis Batch: 142179

Client Sample ID: CS-128(4.0')
Prep Type: Total/NA
Prep Batch: 142094

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl (Surr)	90		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-142076/1-A
Matrix: Solid
Analysis Batch: 142139

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			05/30/26 17:09	1

Lab Sample ID: LCS 880-142076/2-A
Matrix: Solid
Analysis Batch: 142139

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	226.2		mg/Kg		90	90 - 110		

Lab Sample ID: LCSD 880-142076/3-A
Matrix: Solid
Analysis Batch: 142139

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	237.1		mg/Kg		95	90 - 110	5	20

Lab Sample ID: 880-72887-A-1-C MS
Matrix: Solid
Analysis Batch: 142139

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1050		250	1236	4	mg/Kg		76	90 - 110		

Lab Sample ID: 880-72887-A-1-D MSD
Matrix: Solid
Analysis Batch: 142139

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1050		250	1245	4	mg/Kg		80	90 - 110	1	20

Lab Sample ID: MB 880-142078/1-A
Matrix: Solid
Analysis Batch: 142140

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			05/30/26 19:44	1

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-142078/2-A
Matrix: Solid
Analysis Batch: 142140

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	228.2		mg/Kg		91	90 - 110		

Lab Sample ID: LCSD 880-142078/3-A
Matrix: Solid
Analysis Batch: 142140

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	236.2		mg/Kg		94	90 - 110	3	20

Lab Sample ID: 880-72903-3 MS
Matrix: Solid
Analysis Batch: 142140

Client Sample ID: CS-130(4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	12.0		249	257.8		mg/Kg		99	90 - 110		

Lab Sample ID: 880-72903-3 MSD
Matrix: Solid
Analysis Batch: 142140

Client Sample ID: CS-130(4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12.0		249	269.3		mg/Kg		104	90 - 110	4	20

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

GC VOA

Prep Batch: 142155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72903-6	CS-133(4.0')	Total/NA	Solid	5035	
880-72903-7	CS-134(4.0')	Total/NA	Solid	5035	
880-72903-8	CS-135(4.0')	Total/NA	Solid	5035	
MB 880-142155/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-142155/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-142155/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-72903-6 MS	CS-133(4.0')	Total/NA	Solid	5035	
880-72903-6 MSD	CS-133(4.0')	Total/NA	Solid	5035	

Prep Batch: 142156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72903-9	CS-136(4.0')	Total/NA	Solid	5035	
880-72903-10	CS-137(4.0')	Total/NA	Solid	5035	
880-72903-11	CS-138(4.0')	Total/NA	Solid	5035	
880-72903-12	CS-139(4.0')	Total/NA	Solid	5035	
880-72903-13	CS-140(4.0')	Total/NA	Solid	5035	
MB 880-142156/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-142156/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-142156/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-72903-9 MS	CS-136(4.0')	Total/NA	Solid	5035	
880-72903-9 MSD	CS-136(4.0')	Total/NA	Solid	5035	

Analysis Batch: 142158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72903-1	CS-128(4.0')	Total/NA	Solid	8021B	142198
880-72903-2	CS-129(4.0')	Total/NA	Solid	8021B	142198
880-72903-3	CS-130(4.0')	Total/NA	Solid	8021B	142198
880-72903-4	CS-131(4.0')	Total/NA	Solid	8021B	142198
880-72903-5	CS-132(4.0')	Total/NA	Solid	8021B	142198
MB 880-142198/5-A	Method Blank	Total/NA	Solid	8021B	142198
LCS 880-142198/1-A	Lab Control Sample	Total/NA	Solid	8021B	142198
LCSD 880-142198/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	142198
880-72903-1 MS	CS-128(4.0')	Total/NA	Solid	8021B	142198
880-72903-1 MSD	CS-128(4.0')	Total/NA	Solid	8021B	142198

Analysis Batch: 142162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72903-6	CS-133(4.0')	Total/NA	Solid	8021B	142155
880-72903-7	CS-134(4.0')	Total/NA	Solid	8021B	142155
880-72903-8	CS-135(4.0')	Total/NA	Solid	8021B	142155
MB 880-142155/5-A	Method Blank	Total/NA	Solid	8021B	142155
LCS 880-142155/1-A	Lab Control Sample	Total/NA	Solid	8021B	142155
LCSD 880-142155/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	142155
880-72903-6 MS	CS-133(4.0')	Total/NA	Solid	8021B	142155
880-72903-6 MSD	CS-133(4.0')	Total/NA	Solid	8021B	142155

Analysis Batch: 142163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72903-9	CS-136(4.0')	Total/NA	Solid	8021B	142156
880-72903-10	CS-137(4.0')	Total/NA	Solid	8021B	142156
880-72903-11	CS-138(4.0')	Total/NA	Solid	8021B	142156

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

GC VOA (Continued)

Analysis Batch: 142163 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72903-12	CS-139(4.0')	Total/NA	Solid	8021B	142156
880-72903-13	CS-140(4.0')	Total/NA	Solid	8021B	142156
MB 880-142156/5-A	Method Blank	Total/NA	Solid	8021B	142156
LCS 880-142156/1-A	Lab Control Sample	Total/NA	Solid	8021B	142156
LCSD 880-142156/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	142156
880-72903-9 MS	CS-136(4.0')	Total/NA	Solid	8021B	142156
880-72903-9 MSD	CS-136(4.0')	Total/NA	Solid	8021B	142156

Prep Batch: 142198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72903-1	CS-128(4.0')	Total/NA	Solid	5035	
880-72903-2	CS-129(4.0')	Total/NA	Solid	5035	
880-72903-3	CS-130(4.0')	Total/NA	Solid	5035	
880-72903-4	CS-131(4.0')	Total/NA	Solid	5035	
880-72903-5	CS-132(4.0')	Total/NA	Solid	5035	
MB 880-142198/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-142198/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-142198/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-72903-1 MS	CS-128(4.0')	Total/NA	Solid	5035	
880-72903-1 MSD	CS-128(4.0')	Total/NA	Solid	5035	

Analysis Batch: 142273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72903-1	CS-128(4.0')	Total/NA	Solid	Total BTEX	
880-72903-2	CS-129(4.0')	Total/NA	Solid	Total BTEX	
880-72903-3	CS-130(4.0')	Total/NA	Solid	Total BTEX	
880-72903-4	CS-131(4.0')	Total/NA	Solid	Total BTEX	
880-72903-5	CS-132(4.0')	Total/NA	Solid	Total BTEX	
880-72903-6	CS-133(4.0')	Total/NA	Solid	Total BTEX	
880-72903-7	CS-134(4.0')	Total/NA	Solid	Total BTEX	
880-72903-8	CS-135(4.0')	Total/NA	Solid	Total BTEX	
880-72903-9	CS-136(4.0')	Total/NA	Solid	Total BTEX	
880-72903-10	CS-137(4.0')	Total/NA	Solid	Total BTEX	
880-72903-11	CS-138(4.0')	Total/NA	Solid	Total BTEX	
880-72903-12	CS-139(4.0')	Total/NA	Solid	Total BTEX	
880-72903-13	CS-140(4.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 142094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72903-1	CS-128(4.0')	Total/NA	Solid	8015NM Prep	
880-72903-2	CS-129(4.0')	Total/NA	Solid	8015NM Prep	
880-72903-3	CS-130(4.0')	Total/NA	Solid	8015NM Prep	
880-72903-4	CS-131(4.0')	Total/NA	Solid	8015NM Prep	
880-72903-5	CS-132(4.0')	Total/NA	Solid	8015NM Prep	
880-72903-6	CS-133(4.0')	Total/NA	Solid	8015NM Prep	
880-72903-7	CS-134(4.0')	Total/NA	Solid	8015NM Prep	
880-72903-8	CS-135(4.0')	Total/NA	Solid	8015NM Prep	
880-72903-9	CS-136(4.0')	Total/NA	Solid	8015NM Prep	
880-72903-10	CS-137(4.0')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Prep Batch: 142094 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72903-11	CS-138(4.0')	Total/NA	Solid	8015NM Prep	
880-72903-12	CS-139(4.0')	Total/NA	Solid	8015NM Prep	
880-72903-13	CS-140(4.0')	Total/NA	Solid	8015NM Prep	
MB 880-142094/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-142094/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-142094/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-72903-1 MS	CS-128(4.0')	Total/NA	Solid	8015NM Prep	
880-72903-1 MSD	CS-128(4.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 142179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72903-1	CS-128(4.0')	Total/NA	Solid	8015B NM	142094
880-72903-2	CS-129(4.0')	Total/NA	Solid	8015B NM	142094
880-72903-3	CS-130(4.0')	Total/NA	Solid	8015B NM	142094
880-72903-4	CS-131(4.0')	Total/NA	Solid	8015B NM	142094
880-72903-5	CS-132(4.0')	Total/NA	Solid	8015B NM	142094
880-72903-6	CS-133(4.0')	Total/NA	Solid	8015B NM	142094
880-72903-7	CS-134(4.0')	Total/NA	Solid	8015B NM	142094
880-72903-8	CS-135(4.0')	Total/NA	Solid	8015B NM	142094
880-72903-9	CS-136(4.0')	Total/NA	Solid	8015B NM	142094
880-72903-10	CS-137(4.0')	Total/NA	Solid	8015B NM	142094
880-72903-11	CS-138(4.0')	Total/NA	Solid	8015B NM	142094
880-72903-12	CS-139(4.0')	Total/NA	Solid	8015B NM	142094
880-72903-13	CS-140(4.0')	Total/NA	Solid	8015B NM	142094
MB 880-142094/1-A	Method Blank	Total/NA	Solid	8015B NM	142094
LCS 880-142094/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	142094
LCSD 880-142094/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	142094
880-72903-1 MS	CS-128(4.0')	Total/NA	Solid	8015B NM	142094
880-72903-1 MSD	CS-128(4.0')	Total/NA	Solid	8015B NM	142094

Analysis Batch: 142287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72903-1	CS-128(4.0')	Total/NA	Solid	8015 NM	
880-72903-2	CS-129(4.0')	Total/NA	Solid	8015 NM	
880-72903-3	CS-130(4.0')	Total/NA	Solid	8015 NM	
880-72903-4	CS-131(4.0')	Total/NA	Solid	8015 NM	
880-72903-5	CS-132(4.0')	Total/NA	Solid	8015 NM	
880-72903-6	CS-133(4.0')	Total/NA	Solid	8015 NM	
880-72903-7	CS-134(4.0')	Total/NA	Solid	8015 NM	
880-72903-8	CS-135(4.0')	Total/NA	Solid	8015 NM	
880-72903-9	CS-136(4.0')	Total/NA	Solid	8015 NM	
880-72903-10	CS-137(4.0')	Total/NA	Solid	8015 NM	
880-72903-11	CS-138(4.0')	Total/NA	Solid	8015 NM	
880-72903-12	CS-139(4.0')	Total/NA	Solid	8015 NM	
880-72903-13	CS-140(4.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 142076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72903-13	CS-140(4.0')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

HPLC/IC (Continued)

Leach Batch: 142076 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-142076/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-142076/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-142076/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-72887-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-72887-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 142078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72903-1	CS-128(4.0')	Soluble	Solid	DI Leach	
880-72903-2	CS-129(4.0')	Soluble	Solid	DI Leach	
880-72903-3	CS-130(4.0')	Soluble	Solid	DI Leach	
880-72903-4	CS-131(4.0')	Soluble	Solid	DI Leach	
880-72903-5	CS-132(4.0')	Soluble	Solid	DI Leach	
880-72903-6	CS-133(4.0')	Soluble	Solid	DI Leach	
880-72903-7	CS-134(4.0')	Soluble	Solid	DI Leach	
880-72903-8	CS-135(4.0')	Soluble	Solid	DI Leach	
880-72903-9	CS-136(4.0')	Soluble	Solid	DI Leach	
880-72903-10	CS-137(4.0')	Soluble	Solid	DI Leach	
880-72903-11	CS-138(4.0')	Soluble	Solid	DI Leach	
880-72903-12	CS-139(4.0')	Soluble	Solid	DI Leach	
MB 880-142078/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-142078/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-142078/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-72903-3 MS	CS-130(4.0')	Soluble	Solid	DI Leach	
880-72903-3 MSD	CS-130(4.0')	Soluble	Solid	DI Leach	

Analysis Batch: 142139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72903-13	CS-140(4.0')	Soluble	Solid	300.0	142076
MB 880-142076/1-A	Method Blank	Soluble	Solid	300.0	142076
LCS 880-142076/2-A	Lab Control Sample	Soluble	Solid	300.0	142076
LCSD 880-142076/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	142076
880-72887-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	142076
880-72887-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	142076

Analysis Batch: 142140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72903-1	CS-128(4.0')	Soluble	Solid	300.0	142078
880-72903-2	CS-129(4.0')	Soluble	Solid	300.0	142078
880-72903-3	CS-130(4.0')	Soluble	Solid	300.0	142078
880-72903-4	CS-131(4.0')	Soluble	Solid	300.0	142078
880-72903-5	CS-132(4.0')	Soluble	Solid	300.0	142078
880-72903-6	CS-133(4.0')	Soluble	Solid	300.0	142078
880-72903-7	CS-134(4.0')	Soluble	Solid	300.0	142078
880-72903-8	CS-135(4.0')	Soluble	Solid	300.0	142078
880-72903-9	CS-136(4.0')	Soluble	Solid	300.0	142078
880-72903-10	CS-137(4.0')	Soluble	Solid	300.0	142078
880-72903-11	CS-138(4.0')	Soluble	Solid	300.0	142078
880-72903-12	CS-139(4.0')	Soluble	Solid	300.0	142078
MB 880-142078/1-A	Method Blank	Soluble	Solid	300.0	142078
LCS 880-142078/2-A	Lab Control Sample	Soluble	Solid	300.0	142078

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

HPLC/IC (Continued)

Analysis Batch: 142140 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-142078/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	142078
880-72903-3 MS	CS-130(4.0')	Soluble	Solid	300.0	142078
880-72903-3 MSD	CS-130(4.0')	Soluble	Solid	300.0	142078

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

Client Sample ID: CS-128(4.0')

Lab Sample ID: 880-72903-1
Matrix: Solid
Date Collected: 05/29/26 10:02
Date Received: 05/29/26 15:46

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	142198	06/01/26 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142158	06/01/26 14:46	SA	EET MID
Total/NA	Analysis	Total BTEX		1			142273	06/01/26 14:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			142287	06/01/26 10:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	142094	05/29/26 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142179	06/01/26 10:43	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	142078	05/29/26 18:10	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	142140	05/30/26 20:59	SMC	EET MID

Client Sample ID: CS-129(4.0')

Lab Sample ID: 880-72903-2
Matrix: Solid
Date Collected: 05/29/26 10:06
Date Received: 05/29/26 15:46

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	142198	06/01/26 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142158	06/01/26 15:07	SA	EET MID
Total/NA	Analysis	Total BTEX		1			142273	06/01/26 15:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			142287	06/01/26 11:26	SA	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10.00 mL	142094	05/29/26 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142179	06/01/26 11:26	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	142078	05/29/26 18:10	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	142140	05/30/26 21:04	SMC	EET MID

Client Sample ID: CS-130(4.0')

Lab Sample ID: 880-72903-3
Matrix: Solid
Date Collected: 05/29/26 10:10
Date Received: 05/29/26 15:46

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	142198	06/01/26 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142158	06/01/26 15:27	SA	EET MID
Total/NA	Analysis	Total BTEX		1			142273	06/01/26 15:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			142287	06/01/26 11:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	142094	05/29/26 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142179	06/01/26 11:41	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	142078	05/29/26 18:10	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	142140	05/30/26 21:09	SMC	EET MID

Client Sample ID: CS-131(4.0')

Lab Sample ID: 880-72903-4
Matrix: Solid
Date Collected: 05/29/26 10:14
Date Received: 05/29/26 15:46

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	142198	06/01/26 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142158	06/01/26 15:48	SA	EET MID
Total/NA	Analysis	Total BTEX		1			142273	06/01/26 15:48	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

Client Sample ID: CS-131(4.0')

Lab Sample ID: 880-72903-4
Matrix: Solid
Date Collected: 05/29/26 10:14
Date Received: 05/29/26 15:46

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			142287	06/01/26 11:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	142094	05/29/26 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142179	06/01/26 11:56	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	142078	05/29/26 18:10	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	142140	05/31/26 09:45	SMC	EET MID

Client Sample ID: CS-132(4.0')

Lab Sample ID: 880-72903-5
Matrix: Solid
Date Collected: 05/29/26 10:18
Date Received: 05/29/26 15:46

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	142198	06/01/26 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142158	06/01/26 16:08	SA	EET MID
Total/NA	Analysis	Total BTEX		1			142273	06/01/26 16:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			142287	06/01/26 12:10	SA	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10.00 mL	142094	05/29/26 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142179	06/01/26 12:10	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	142078	05/29/26 18:10	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	142140	05/30/26 21:29	SMC	EET MID

Client Sample ID: CS-133(4.0')

Lab Sample ID: 880-72903-6
Matrix: Solid
Date Collected: 05/29/26 10:21
Date Received: 05/29/26 15:46

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	142155	05/31/26 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142162	06/01/26 12:48	SA	EET MID
Total/NA	Analysis	Total BTEX		1			142273	06/01/26 12:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			142287	06/01/26 12:25	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	142094	05/29/26 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142179	06/01/26 12:25	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	142078	05/29/26 18:10	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	142140	05/30/26 21:44	SMC	EET MID

Client Sample ID: CS-134(4.0')

Lab Sample ID: 880-72903-7
Matrix: Solid
Date Collected: 05/29/26 10:25
Date Received: 05/29/26 15:46

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	142155	05/31/26 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142162	06/01/26 13:08	SA	EET MID
Total/NA	Analysis	Total BTEX		1			142273	06/01/26 13:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			142287	06/01/26 12:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	142094	05/29/26 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142179	06/01/26 12:39	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

Client Sample ID: CS-134(4.0')

Lab Sample ID: 880-72903-7
Matrix: Solid
Date Collected: 05/29/26 10:25
Date Received: 05/29/26 15:46

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	142078	05/29/26 18:10	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	142140	05/30/26 21:49	SMC	EET MID

Client Sample ID: CS-135(4.0')

Lab Sample ID: 880-72903-8
Matrix: Solid
Date Collected: 05/29/26 10:29
Date Received: 05/29/26 15:46

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	142155	05/31/26 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142162	06/01/26 13:29	SA	EET MID
Total/NA	Analysis	Total BTEX		1			142273	06/01/26 13:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			142287	06/01/26 12:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	142094	05/29/26 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142179	06/01/26 12:54	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	142078	05/29/26 18:10	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	142140	05/30/26 21:54	SMC	EET MID

Client Sample ID: CS-136(4.0')

Lab Sample ID: 880-72903-9
Matrix: Solid
Date Collected: 05/29/26 10:33
Date Received: 05/29/26 15:46

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	142156	05/31/26 16:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142163	06/01/26 14:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142273	06/01/26 14:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			142287	06/01/26 13:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	142094	05/29/26 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142179	06/01/26 13:09	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	142078	05/29/26 18:10	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	142140	05/30/26 21:59	SMC	EET MID

Client Sample ID: CS-137(4.0')

Lab Sample ID: 880-72903-10
Matrix: Solid
Date Collected: 05/29/26 10:39
Date Received: 05/29/26 15:46

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	142156	05/31/26 16:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142163	06/01/26 14:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142273	06/01/26 14:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			142287	06/01/26 13:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	142094	05/29/26 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142179	06/01/26 13:23	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	142078	05/29/26 18:10	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	142140	05/30/26 22:04	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

Client Sample ID: CS-138(4.0')

Date Collected: 05/29/26 10:43
Date Received: 05/29/26 15:46

Lab Sample ID: 880-72903-11

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			4.95 g	5 mL	142156	05/31/26 16:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142163	06/01/26 14:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142273	06/01/26 14:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			142287	06/01/26 13:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	142094	05/29/26 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142179	06/01/26 13:52	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	142078	05/29/26 18:10	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	142140	05/30/26 22:09	SMC	EET MID

Client Sample ID: CS-139(4.0')

Date Collected: 05/29/26 10:48
Date Received: 05/29/26 15:46

Lab Sample ID: 880-72903-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	142156	05/31/26 16:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142163	06/01/26 15:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142273	06/01/26 15:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			142287	06/01/26 14:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	142094	05/29/26 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142179	06/01/26 14:07	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	142078	05/29/26 18:10	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	142140	05/30/26 22:14	SMC	EET MID

Client Sample ID: CS-140(4.0')

Date Collected: 05/29/26 10:51
Date Received: 05/29/26 15:46

Lab Sample ID: 880-72903-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	142156	05/31/26 16:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142163	06/01/26 15:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142273	06/01/26 15:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			142287	06/01/26 14:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	142094	05/29/26 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142179	06/01/26 14:21	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	142076	05/29/26 18:06	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	142139	05/30/26 19:14	SMC	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: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. 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: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-72903-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-72903-1	CS-128(4.0')	Solid	05/29/26 10:02	05/29/26 15:46	New Mexico
880-72903-2	CS-129(4.0')	Solid	05/29/26 10:06	05/29/26 15:46	New Mexico
880-72903-3	CS-130(4.0')	Solid	05/29/26 10:10	05/29/26 15:46	New Mexico
880-72903-4	CS-131(4.0')	Solid	05/29/26 10:14	05/29/26 15:46	New Mexico
880-72903-5	CS-132(4.0')	Solid	05/29/26 10:18	05/29/26 15:46	New Mexico
880-72903-6	CS-133(4.0')	Solid	05/29/26 10:21	05/29/26 15:46	New Mexico
880-72903-7	CS-134(4.0')	Solid	05/29/26 10:25	05/29/26 15:46	New Mexico
880-72903-8	CS-135(4.0')	Solid	05/29/26 10:29	05/29/26 15:46	New Mexico
880-72903-9	CS-136(4.0')	Solid	05/29/26 10:33	05/29/26 15:46	New Mexico
880-72903-10	CS-137(4.0')	Solid	05/29/26 10:39	05/29/26 15:46	New Mexico
880-72903-11	CS-138(4.0')	Solid	05/29/26 10:43	05/29/26 15:46	New Mexico
880-72903-12	CS-139(4.0')	Solid	05/29/26 10:48	05/29/26 15:46	New Mexico
880-72903-13	CS-140(4.0')	Solid	05/29/26 10:51	05/29/26 15:46	New Mexico

Page 804 of 957

Chain of Custody

880-72903 Chain of Custody

880-72903 COC

6/1/2026

Page 1 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	24 hr
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID:	TR5	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.1	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.4	
Total Containers:		Corrected Temperature:	3.3	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS-128 (4.0')	5/29/2026	10:02	X		Comp	1		X	X	X		
CS-129 (4.0')	5/29/2026	10:06	X		Comp	1		X	X	X		
CS-130 (4.0')	5/29/2026	10:10	X		Comp	1		X	X	X		
CS-131 (4.0')	5/29/2026	10:14	X		Comp	1		X	X	X		
CS-132 (4.0')	5/29/2026	10:18	X		Comp	1		X	X	X		
CS-133 (4.0')	5/29/2026	10:21	X		Comp	1		X	X	X		
CS-134 (4.0')	5/29/2026	10:25	X		Comp	1		X	X	X		
CS-135 (4.0')	5/29/2026	10:29	X		Comp	1		X	X	X		
CS-136 (4.0')	5/29/2026	10:33	X		Comp	1		X	X	X		
CS-137 (4.0')	5/29/2026	10:39	X		Comp	1		X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5/29/26 15:46		5/29/26 15:46

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Page 805 of 957

Chain of Custody

Work Order No: 2903

6/1/2026

Page 2 of 2

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	☐ Routine ☑ Rush
Project Number:	3202	Due Date:	24 hr
Project Location	Lea County, New Mexico		
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.4
Total Containers:		Corrected Temperature:	3.5

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS-138 (4.0')	5/29/2026	10:43	X		Comp	1		X	X	X		
CS-139 (4.0')	5/29/2026	10:48	X		Comp	1		X	X	X		
CS-140 (4.0')	5/29/2026	10:51	X		Comp	1		X	X	X		

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2S0_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5/29/26 15:46		5/29/26 15:46

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-72903-1
SDG Number: Lea County New Mexico

Login Number: 72903
List Number: 1
Creator: Juarez, Leticia

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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/10/2026 3:16:30 PM

JOB DESCRIPTION

Matador Gavalon (03.13.2026)
Lea County New Mexico

JOB NUMBER

880-73342-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 6/23/2026 8:46:47 AM

my EOL

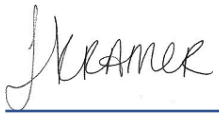
Eurofins Midland

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
6/10/2026 3:16:30 PM

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

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Laboratory Job ID: 880-73342-1
SDG: Lea County New Mexico

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 9
QC Sample Results 10
QC Association Summary 14
Lab Chronicle 16
Certification Summary 17
Method Summary 18
Sample Summary 19
Chain of Custody 20
Receipt Checklists 21

Definitions/Glossary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73342-1
SDG: Lea County New Mexico

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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: Matador Gavalon (03.13.2026)

Job ID: 880-73342-1

Job ID: 880-73342-1 Eurofins Midland

Job Narrative
880-73342-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 6/9/2026 8:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -8.7°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 8015B NM: Surrogate recovery for the following samples were outside control limits: (880-73193-A-41-C MS) and (880-73193-A-41-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-142746 and analytical batch 880-142936 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
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73342-1
SDG: Lea County New Mexico

Client Sample ID: CS-141 (4.0')

Lab Sample ID: 880-73342-1
Matrix: Solid
Date Collected: 06/08/26 10:15
Date Received: 06/09/26 08:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/09/26 12:36	06/09/26 16:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/09/26 12:36	06/09/26 16:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/09/26 12:36	06/09/26 16:44	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		06/09/26 12:36	06/09/26 16:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/09/26 12:36	06/09/26 16:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/09/26 12:36	06/09/26 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*06/09/26 12:36*	*06/09/26 16:44*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/09/26 12:36*	*06/09/26 16:44*	*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			06/09/26 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/09/26 11:34	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	<50.1	U	50.1		mg/Kg		06/05/26 11:34	06/09/26 11:34	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		06/05/26 11:34	06/09/26 11:34	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/05/26 11:34	06/09/26 11:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*112*		*70 - 130*	*06/05/26 11:34*	*06/09/26 11:34*	*1*
o-Terphenyl (Surr)	*106*		*70 - 130*	*06/05/26 11:34*	*06/09/26 11:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.0**		10.0		mg/Kg			06/09/26 20:48	1

Client Sample ID: CS-142 (4.0')

Lab Sample ID: 880-73342-2
Matrix: Solid
Date Collected: 06/08/26 10:18
Date Received: 06/09/26 08:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/09/26 12:36	06/09/26 17:05	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/09/26 12:36	06/09/26 17:05	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/09/26 12:36	06/09/26 17:05	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		06/09/26 12:36	06/09/26 17:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/09/26 12:36	06/09/26 17:05	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/09/26 12:36	06/09/26 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*06/09/26 12:36*	*06/09/26 17:05*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/09/26 12:36*	*06/09/26 17:05*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73342-1
SDG: Lea County New Mexico

Client Sample ID: CS-142 (4.0')

Lab Sample ID: 880-73342-2
Matrix: Solid
Date Collected: 06/08/26 10:18
Date Received: 06/09/26 08:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			06/09/26 17:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			06/09/26 12:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		06/05/26 11:34	06/09/26 12:03	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		06/05/26 11:34	06/09/26 12:03	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		06/05/26 11:34	06/09/26 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*130*		*70 - 130*	*06/05/26 11:34*	*06/09/26 12:03*	*1*
o-Terphenyl (Surr)	*123*		*70 - 130*	*06/05/26 11:34*	*06/09/26 12:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			06/09/26 20:53	1

Client Sample ID: CS-143 (4.0')

Lab Sample ID: 880-73342-3
Matrix: Solid
Date Collected: 06/08/26 10:21
Date Received: 06/09/26 08:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/09/26 12:36	06/09/26 18:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/09/26 12:36	06/09/26 18:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/09/26 12:36	06/09/26 18:40	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		06/09/26 12:36	06/09/26 18:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/09/26 12:36	06/09/26 18:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/09/26 12:36	06/09/26 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*06/09/26 12:36*	*06/09/26 18:40*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/09/26 12:36*	*06/09/26 18:40*	*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			06/09/26 18:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			06/09/26 12:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		06/05/26 11:34	06/09/26 12:17	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		06/05/26 11:34	06/09/26 12:17	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73342-1
SDG: Lea County New Mexico

Client Sample ID: CS-143 (4.0')
Date Collected: 06/08/26 10:21
Date Received: 06/09/26 08:40

Lab Sample ID: 880-73342-3
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)	<50.2	U	50.2		mg/Kg		06/05/26 11:34	06/09/26 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*125*		*70 - 130*	*06/05/26 11:34*	*06/09/26 12:17*	*1*
o-Terphenyl (Surr)	*119*		*70 - 130*	*06/05/26 11:34*	*06/09/26 12:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.90	U	9.90		mg/Kg			06/10/26 08:11	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73342-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-73229-A-1-C MS	Matrix Spike	84	92
880-73229-A-1-D MSD	Matrix Spike Duplicate	93	98
880-73342-1	CS-141 (4.0')	110	96
880-73342-2	CS-142 (4.0')	118	101
880-73342-3	CS-143 (4.0')	122	101
LCS 880-142998/1-A	Lab Control Sample	88	91
LCSD 880-142998/2-A	Lab Control Sample Dup	75	90
MB 880-142998/5-A	Method Blank	95	87

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-73193-A-41-C MS	Matrix Spike	140 S1+	122
880-73193-A-41-D MSD	Matrix Spike Duplicate	138 S1+	120
880-73342-1	CS-141 (4.0')	112	106
880-73342-2	CS-142 (4.0')	130	123
880-73342-3	CS-143 (4.0')	125	119
LCS 880-142746/2-A	Lab Control Sample	83	71
LCSD 880-142746/3-A	Lab Control Sample Dup	82	71
MB 880-142746/1-A	Method Blank	111	103

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73342-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-142998/5-A
Matrix: Solid
Analysis Batch: 142963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142998

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/09/26 08:00	06/09/26 13:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/26 08:00	06/09/26 13:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/26 08:00	06/09/26 13:37	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		06/09/26 08:00	06/09/26 13:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/26 08:00	06/09/26 13:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/09/26 08:00	06/09/26 13:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*06/09/26 08:00*	*06/09/26 13:37*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*06/09/26 08:00*	*06/09/26 13:37*	*1*

Lab Sample ID: LCS 880-142998/1-A
Matrix: Solid
Analysis Batch: 142963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142998

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1114		mg/Kg		111	70 - 130		
Toluene			0.100	0.1071		mg/Kg		107	70 - 130		
Ethylbenzene			0.100	0.09908		mg/Kg		99	70 - 130		
m,p-Xylenes			0.200	0.1950		mg/Kg		97	70 - 130		
o-Xylene			0.100	0.1013		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: LCSD 880-142998/2-A
Matrix: Solid
Analysis Batch: 142963

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142998

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08466		mg/Kg		85	70 - 130	27	35
Toluene			0.100	0.08116		mg/Kg		81	70 - 130	28	35
Ethylbenzene			0.100	0.08727		mg/Kg		87	70 - 130	13	35
m,p-Xylenes			0.200	0.1596		mg/Kg		80	70 - 130	20	35
o-Xylene			0.100	0.08553		mg/Kg		86	70 - 130	17	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: 880-73229-A-1-C MS
Matrix: Solid
Analysis Batch: 142963

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 142998

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.08414		mg/Kg		84	70 - 130		
Toluene	<0.00200	U	0.100	0.08317		mg/Kg		83	70 - 130		

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73342-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-73229-A-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 142963 — **Prep Batch: 142998**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08033		mg/Kg		80	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1531		mg/Kg		77	70 - 130
o-Xylene	<0.00200	U	0.100	0.07757		mg/Kg		78	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 880-73229-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 142963 — **Prep Batch: 142998**

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	0.08735		mg/Kg		87	70 - 130	4	35
Toluene	<0.00200	U	0.100	0.08597		mg/Kg		86	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.08538		mg/Kg		85	70 - 130	6	35
m,p-Xylenes	<0.00399	U	0.200	0.1803		mg/Kg		90	70 - 130	16	35
o-Xylene	<0.00200	U	0.100	0.08434		mg/Kg		84	70 - 130	8	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

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

Lab Sample ID: MB 880-142746/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 142936 — **Prep Batch: 142746**

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		06/05/26 11:34	06/09/26 07:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/05/26 11:34	06/09/26 07:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/05/26 11:34	06/09/26 07:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*111*		*70 - 130*	*06/05/26 11:34*	*06/09/26 07:03*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*06/05/26 11:34*	*06/09/26 07:03*	*1*

Lab Sample ID: LCS 880-142746/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 142936 — **Prep Batch: 142746**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	910.3		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	1000	908.4		mg/Kg		91	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73342-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-142746/2-A
Matrix: Solid
Analysis Batch: 142936

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142746

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	83		70 - 130
o-Terphenyl (Surr)	71		70 - 130

Lab Sample ID: LCSD 880-142746/3-A
Matrix: Solid
Analysis Batch: 142936

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142746

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	884.7		mg/Kg		88	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	918.4		mg/Kg		92	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	82		70 - 130
o-Terphenyl (Surr)	71		70 - 130

Lab Sample ID: 880-73193-A-41-C MS
Matrix: Solid
Analysis Batch: 142936

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 142746

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	998	1277		mg/Kg		126	70 - 130
Diesel Range Organics (Over C10-C28)	<50.3	U F1	998	1409	F1	mg/Kg		140	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	140	S1+	70 - 130
o-Terphenyl (Surr)	122		70 - 130

Lab Sample ID: 880-73193-A-41-D MSD
Matrix: Solid
Analysis Batch: 142936

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 142746

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	<50.3	U	998	1278		mg/Kg		126	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.3	U F1	998	1387	F1	mg/Kg		137	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	138	S1+	70 - 130
o-Terphenyl (Surr)	120		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73342-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-142975/1-A
Matrix: Solid
Analysis Batch: 143007

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			06/09/26 19:34	1

Lab Sample ID: LCS 880-142975/2-A
Matrix: Solid
Analysis Batch: 143007

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	231.8		mg/Kg		93	90 - 110		

Lab Sample ID: LCSD 880-142975/3-A
Matrix: Solid
Analysis Batch: 143007

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	237.0		mg/Kg		95	90 - 110	2	20

Lab Sample ID: 880-73342-2 MS
Matrix: Solid
Analysis Batch: 143007

Client Sample ID: CS-142 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<10.1	U	252	256.7		mg/Kg		98	90 - 110		

Lab Sample ID: 880-73342-2 MSD
Matrix: Solid
Analysis Batch: 143007

Client Sample ID: CS-142 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<10.1	U	252	265.2		mg/Kg		102	90 - 110	3	20

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73342-1
SDG: Lea County New Mexico

GC VOA

Analysis Batch: 142963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73342-1	CS-141 (4.0')	Total/NA	Solid	8021B	142998
880-73342-2	CS-142 (4.0')	Total/NA	Solid	8021B	142998
880-73342-3	CS-143 (4.0')	Total/NA	Solid	8021B	142998
MB 880-142998/5-A	Method Blank	Total/NA	Solid	8021B	142998
LCS 880-142998/1-A	Lab Control Sample	Total/NA	Solid	8021B	142998
LCSD 880-142998/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	142998
880-73229-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	142998
880-73229-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	142998

Prep Batch: 142998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73342-1	CS-141 (4.0')	Total/NA	Solid	5035	
880-73342-2	CS-142 (4.0')	Total/NA	Solid	5035	
880-73342-3	CS-143 (4.0')	Total/NA	Solid	5035	
MB 880-142998/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-142998/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-142998/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-73229-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-73229-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 143049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73342-1	CS-141 (4.0')	Total/NA	Solid	Total BTEX	
880-73342-2	CS-142 (4.0')	Total/NA	Solid	Total BTEX	
880-73342-3	CS-143 (4.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 142746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73342-1	CS-141 (4.0')	Total/NA	Solid	8015NM Prep	
880-73342-2	CS-142 (4.0')	Total/NA	Solid	8015NM Prep	
880-73342-3	CS-143 (4.0')	Total/NA	Solid	8015NM Prep	
MB 880-142746/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-142746/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-142746/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-73193-A-41-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-73193-A-41-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 142936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73342-1	CS-141 (4.0')	Total/NA	Solid	8015B NM	142746
880-73342-2	CS-142 (4.0')	Total/NA	Solid	8015B NM	142746
880-73342-3	CS-143 (4.0')	Total/NA	Solid	8015B NM	142746
MB 880-142746/1-A	Method Blank	Total/NA	Solid	8015B NM	142746
LCS 880-142746/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	142746
LCSD 880-142746/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	142746
880-73193-A-41-C MS	Matrix Spike	Total/NA	Solid	8015B NM	142746
880-73193-A-41-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	142746

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73342-1
SDG: Lea County New Mexico

GC Semi VOA

Analysis Batch: 143000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73342-1	CS-141 (4.0')	Total/NA	Solid	8015 NM	
880-73342-2	CS-142 (4.0')	Total/NA	Solid	8015 NM	
880-73342-3	CS-143 (4.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 142975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73342-1	CS-141 (4.0')	Soluble	Solid	DI Leach	
880-73342-2	CS-142 (4.0')	Soluble	Solid	DI Leach	
880-73342-3	CS-143 (4.0')	Soluble	Solid	DI Leach	
MB 880-142975/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-142975/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-142975/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-73342-2 MS	CS-142 (4.0')	Soluble	Solid	DI Leach	
880-73342-2 MSD	CS-142 (4.0')	Soluble	Solid	DI Leach	

Analysis Batch: 143007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73342-1	CS-141 (4.0')	Soluble	Solid	300.0	142975
880-73342-2	CS-142 (4.0')	Soluble	Solid	300.0	142975
880-73342-3	CS-143 (4.0')	Soluble	Solid	300.0	142975
MB 880-142975/1-A	Method Blank	Soluble	Solid	300.0	142975
LCS 880-142975/2-A	Lab Control Sample	Soluble	Solid	300.0	142975
LCSD 880-142975/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	142975
880-73342-2 MS	CS-142 (4.0')	Soluble	Solid	300.0	142975
880-73342-2 MSD	CS-142 (4.0')	Soluble	Solid	300.0	142975

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73342-1
SDG: Lea County New Mexico

Client Sample ID: CS-141 (4.0')

Lab Sample ID: 880-73342-1
Matrix: Solid
Date Collected: 06/08/26 10:15
Date Received: 06/09/26 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	142998	06/09/26 12:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142963	06/09/26 16:44	SA	EET MID
Total/NA	Analysis	Total BTEX		1			143049	06/09/26 16:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			143000	06/09/26 11:34	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	142746	06/05/26 11:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142936	06/09/26 11:34	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	142975	06/09/26 11:12	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143007	06/09/26 20:48	CS	EET MID

Client Sample ID: CS-142 (4.0')

Lab Sample ID: 880-73342-2
Matrix: Solid
Date Collected: 06/08/26 10:18
Date Received: 06/09/26 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	142998	06/09/26 12:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142963	06/09/26 17:05	SA	EET MID
Total/NA	Analysis	Total BTEX		1			143049	06/09/26 17:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			143000	06/09/26 12:03	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10.00 mL	142746	06/05/26 11:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142936	06/09/26 12:03	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	142975	06/09/26 11:12	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143007	06/09/26 20:53	CS	EET MID

Client Sample ID: CS-143 (4.0')

Lab Sample ID: 880-73342-3
Matrix: Solid
Date Collected: 06/08/26 10:21
Date Received: 06/09/26 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	142998	06/09/26 12:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142963	06/09/26 18:40	SA	EET MID
Total/NA	Analysis	Total BTEX		1			143049	06/09/26 18:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			143000	06/09/26 12:17	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	142746	06/05/26 11:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142936	06/09/26 12:17	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	142975	06/09/26 11:12	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143007	06/10/26 08:11	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-73342-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. 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: Matador Gavalon (03.13.2026)

Job ID: 880-73342-1
SDG: Lea County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73342-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-73342-1	CS-141 (4.0')	Solid	06/08/26 10:15	06/09/26 08:40	New Mexico
880-73342-2	CS-142 (4.0')	Solid	06/08/26 10:18	06/09/26 08:40	New Mexico
880-73342-3	CS-143 (4.0')	Solid	06/08/26 10:21	06/09/26 08:40	New Mexico

Released to Imaging: 6/25/2026 8:46:47 AM
Received by OCD: 6/17/2026 9:45:35 AM

Chain of Custody

880-73342 Chain of Custody

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date:	24 hr
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice: Yes No
Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-8.5
Total Containers:		Corrected Temperature:	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS-141 (4.0')	6/8/2026	10:15	X		Comp	1	X	X	X		
CS-142 (4.0')	6/8/2026	10:18	X		Comp	1	X	X	X		
CS-143 (4.0')	6/8/2026	10:21	X		Comp	1	X	X	X		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6/9/26		6 9 26 840

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-73342-1
SDG Number: Lea County New Mexico

Login Number: 73342
List Number: 1
Creator: Dyal, Erica

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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/10/2026 3:17:27 PM

JOB DESCRIPTION

Matador Gavalon (03.13.2026)
Lea County New Mexico

JOB NUMBER

880-73343-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 6/23/2026 8:46:47 AM

my EOL

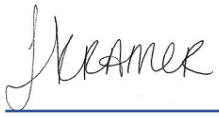
Eurofins Midland

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
6/10/2026 3:17:27 PM

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

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Laboratory Job ID: 880-73343-1
SDG: Lea County New Mexico

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 9
QC Sample Results 10
QC Association Summary 14
Lab Chronicle 16
Certification Summary 17
Method Summary 18
Sample Summary 19
Chain of Custody 20
Receipt Checklists 21

Definitions/Glossary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73343-1
SDG: Lea County New Mexico

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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: Matador Gavalon (03.13.2026)

Job ID: 880-73343-1

Job ID: 880-73343-1 Eurofins Midland

Job Narrative
880-73343-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 6/9/2026 8:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -8.7°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 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-142746 and analytical batch 880-142936 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
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73343-1
SDG: Lea County New Mexico

Client Sample ID: SW-53 (4.0')

Lab Sample ID: 880-73343-1
Matrix: Solid
Date Collected: 06/08/26 10:24
Date Received: 06/09/26 08:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/09/26 12:36	06/09/26 19:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/26 12:36	06/09/26 19:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/26 12:36	06/09/26 19:01	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		06/09/26 12:36	06/09/26 19:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/26 12:36	06/09/26 19:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/09/26 12:36	06/09/26 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*06/09/26 12:36*	*06/09/26 19:01*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*06/09/26 12:36*	*06/09/26 19:01*	*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			06/09/26 19:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			06/09/26 12:31	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	<50.3	U	50.3		mg/Kg		06/05/26 11:34	06/09/26 12:31	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		06/05/26 11:34	06/09/26 12:31	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		06/05/26 11:34	06/09/26 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*115*		*70 - 130*	*06/05/26 11:34*	*06/09/26 12:31*	*1*
o-Terphenyl (Surr)	*111*		*70 - 130*	*06/05/26 11:34*	*06/09/26 12:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			06/09/26 21:11	1

Client Sample ID: SW-54 (4.0')

Lab Sample ID: 880-73343-2
Matrix: Solid
Date Collected: 06/08/26 10:27
Date Received: 06/09/26 08:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/09/26 12:36	06/09/26 19:21	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/09/26 12:36	06/09/26 19:21	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/09/26 12:36	06/09/26 19:21	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		06/09/26 12:36	06/09/26 19:21	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/09/26 12:36	06/09/26 19:21	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/09/26 12:36	06/09/26 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*06/09/26 12:36*	*06/09/26 19:21*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/09/26 12:36*	*06/09/26 19:21*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73343-1
SDG: Lea County New Mexico

Client Sample ID: SW-54 (4.0')

Lab Sample ID: 880-73343-2
Matrix: Solid
Date Collected: 06/08/26 10:27
Date Received: 06/09/26 08:40

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			06/09/26 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	<50.1	U	50.1		mg/Kg			06/09/26 12:45	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	<50.1	U	50.1		mg/Kg		06/05/26 11:34	06/09/26 12:45	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		06/05/26 11:34	06/09/26 12:45	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/05/26 11:34	06/09/26 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*123*		*70 - 130*	*06/05/26 11:34*	*06/09/26 12:45*	*1*
o-Terphenyl (Surr)	*116*		*70 - 130*	*06/05/26 11:34*	*06/09/26 12:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.4**		10.0		mg/Kg			06/09/26 21:25	1

Client Sample ID: SW-55 (3.0-4.0')

Lab Sample ID: 880-73343-3
Matrix: Solid
Date Collected: 06/08/26 10:30
Date Received: 06/09/26 08:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/09/26 12:36	06/09/26 19:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/26 12:36	06/09/26 19:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/26 12:36	06/09/26 19:42	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		06/09/26 12:36	06/09/26 19:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/26 12:36	06/09/26 19:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/09/26 12:36	06/09/26 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*06/09/26 12:36*	*06/09/26 19:42*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/09/26 12:36*	*06/09/26 19:42*	*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			06/09/26 19:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/09/26 12:59	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		06/05/26 11:34	06/09/26 12:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/05/26 11:34	06/09/26 12:59	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73343-1
SDG: Lea County New Mexico

Client Sample ID: SW-55 (3.0-4.0')

Date Collected: 06/08/26 10:30
Date Received: 06/09/26 08:40

Lab Sample ID: 880-73343-3

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		06/05/26 11:34	06/09/26 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*125*		*70 - 130*	*06/05/26 11:34*	*06/09/26 12:59*	*1*
o-Terphenyl (Surr)	*119*		*70 - 130*	*06/05/26 11:34*	*06/09/26 12:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			06/09/26 21:30	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73343-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-73229-A-1-C MS	Matrix Spike	84	92
880-73229-A-1-D MSD	Matrix Spike Duplicate	93	98
880-73343-1	SW-53 (4.0')	124	103
880-73343-2	SW-54 (4.0')	122	101
880-73343-3	SW-55 (3.0-4.0')	115	101
LCS 880-142998/1-A	Lab Control Sample	88	91
LCSD 880-142998/2-A	Lab Control Sample Dup	75	90
MB 880-142998/5-A	Method Blank	95	87

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-73193-A-41-C MS	Matrix Spike	140 S1+	122
880-73193-A-41-D MSD	Matrix Spike Duplicate	138 S1+	120
880-73343-1	SW-53 (4.0')	115	111
880-73343-2	SW-54 (4.0')	123	116
880-73343-3	SW-55 (3.0-4.0')	125	119
LCS 880-142746/2-A	Lab Control Sample	83	71
LCSD 880-142746/3-A	Lab Control Sample Dup	82	71
MB 880-142746/1-A	Method Blank	111	103

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73343-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-142998/5-A
Matrix: Solid
Analysis Batch: 142963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142998

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/09/26 08:00	06/09/26 13:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/26 08:00	06/09/26 13:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/26 08:00	06/09/26 13:37	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		06/09/26 08:00	06/09/26 13:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/26 08:00	06/09/26 13:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/09/26 08:00	06/09/26 13:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*06/09/26 08:00*	*06/09/26 13:37*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*06/09/26 08:00*	*06/09/26 13:37*	*1*

Lab Sample ID: LCS 880-142998/1-A
Matrix: Solid
Analysis Batch: 142963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142998

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1114		mg/Kg		111	70 - 130
Toluene	0.100	0.1071		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.09908		mg/Kg		99	70 - 130
m,p-Xylenes	0.200	0.1950		mg/Kg		97	70 - 130
o-Xylene	0.100	0.1013		mg/Kg		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: LCSD 880-142998/2-A
Matrix: Solid
Analysis Batch: 142963

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142998

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08466		mg/Kg		85	70 - 130	27	35
Toluene	0.100	0.08116		mg/Kg		81	70 - 130	28	35
Ethylbenzene	0.100	0.08727		mg/Kg		87	70 - 130	13	35
m,p-Xylenes	0.200	0.1596		mg/Kg		80	70 - 130	20	35
o-Xylene	0.100	0.08553		mg/Kg		86	70 - 130	17	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: 880-73229-A-1-C MS
Matrix: Solid
Analysis Batch: 142963

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 142998

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08414		mg/Kg		84	70 - 130
Toluene	<0.00200	U	0.100	0.08317		mg/Kg		83	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73343-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-73229-A-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 142963 — **Prep Batch: 142998**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08033		mg/Kg		80	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1531		mg/Kg		77	70 - 130
o-Xylene	<0.00200	U	0.100	0.07757		mg/Kg		78	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 880-73229-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 142963 — **Prep Batch: 142998**

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	0.08735		mg/Kg		87	70 - 130	4	35
Toluene	<0.00200	U	0.100	0.08597		mg/Kg		86	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.08538		mg/Kg		85	70 - 130	6	35
m,p-Xylenes	<0.00399	U	0.200	0.1803		mg/Kg		90	70 - 130	16	35
o-Xylene	<0.00200	U	0.100	0.08434		mg/Kg		84	70 - 130	8	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

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

Lab Sample ID: MB 880-142746/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 142936 — **Prep Batch: 142746**

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		06/05/26 11:34	06/09/26 07:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/05/26 11:34	06/09/26 07:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/05/26 11:34	06/09/26 07:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*111*		*70 - 130*	*06/05/26 11:34*	*06/09/26 07:03*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*06/05/26 11:34*	*06/09/26 07:03*	*1*

Lab Sample ID: LCS 880-142746/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 142936 — **Prep Batch: 142746**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	910.3		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	1000	908.4		mg/Kg		91	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73343-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-142746/2-A
Matrix: Solid
Analysis Batch: 142936

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142746

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	83		70 - 130
o-Terphenyl (Surr)	71		70 - 130

Lab Sample ID: LCSD 880-142746/3-A
Matrix: Solid
Analysis Batch: 142936

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142746

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	884.7		mg/Kg		88	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	918.4		mg/Kg		92	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	82		70 - 130
o-Terphenyl (Surr)	71		70 - 130

Lab Sample ID: 880-73193-A-41-C MS
Matrix: Solid
Analysis Batch: 142936

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 142746

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	998	1277		mg/Kg		126	70 - 130
Diesel Range Organics (Over C10-C28)	<50.3	U F1	998	1409	F1	mg/Kg		140	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	140	S1+	70 - 130
o-Terphenyl (Surr)	122		70 - 130

Lab Sample ID: 880-73193-A-41-D MSD
Matrix: Solid
Analysis Batch: 142936

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 142746

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	<50.3	U	998	1278		mg/Kg		126	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.3	U F1	998	1387	F1	mg/Kg		137	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	138	S1+	70 - 130
o-Terphenyl (Surr)	120		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73343-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-142975/1-A
Matrix: Solid
Analysis Batch: 143007

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			06/09/26 19:34	1

Lab Sample ID: LCS 880-142975/2-A
Matrix: Solid
Analysis Batch: 143007

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	231.8		mg/Kg		93	90 - 110		

Lab Sample ID: LCSD 880-142975/3-A
Matrix: Solid
Analysis Batch: 143007

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	237.0		mg/Kg		95	90 - 110	2	20

Lab Sample ID: 880-73342-A-2-C MS
Matrix: Solid
Analysis Batch: 143007

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<10.1	U	252	256.7		mg/Kg		98	90 - 110		

Lab Sample ID: 880-73342-A-2-D MSD
Matrix: Solid
Analysis Batch: 143007

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<10.1	U	252	265.2		mg/Kg		102	90 - 110	3	20

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73343-1
SDG: Lea County New Mexico

GC VOA

Analysis Batch: 142963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73343-1	SW-53 (4.0')	Total/NA	Solid	8021B	142998
880-73343-2	SW-54 (4.0')	Total/NA	Solid	8021B	142998
880-73343-3	SW-55 (3.0-4.0')	Total/NA	Solid	8021B	142998
MB 880-142998/5-A	Method Blank	Total/NA	Solid	8021B	142998
LCS 880-142998/1-A	Lab Control Sample	Total/NA	Solid	8021B	142998
LCSD 880-142998/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	142998
880-73229-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	142998
880-73229-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	142998

Prep Batch: 142998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73343-1	SW-53 (4.0')	Total/NA	Solid	5035	
880-73343-2	SW-54 (4.0')	Total/NA	Solid	5035	
880-73343-3	SW-55 (3.0-4.0')	Total/NA	Solid	5035	
MB 880-142998/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-142998/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-142998/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-73229-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-73229-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 143127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73343-1	SW-53 (4.0')	Total/NA	Solid	Total BTEX	
880-73343-2	SW-54 (4.0')	Total/NA	Solid	Total BTEX	
880-73343-3	SW-55 (3.0-4.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 142746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73343-1	SW-53 (4.0')	Total/NA	Solid	8015NM Prep	
880-73343-2	SW-54 (4.0')	Total/NA	Solid	8015NM Prep	
880-73343-3	SW-55 (3.0-4.0')	Total/NA	Solid	8015NM Prep	
MB 880-142746/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-142746/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-142746/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-73193-A-41-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-73193-A-41-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 142936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73343-1	SW-53 (4.0')	Total/NA	Solid	8015B NM	142746
880-73343-2	SW-54 (4.0')	Total/NA	Solid	8015B NM	142746
880-73343-3	SW-55 (3.0-4.0')	Total/NA	Solid	8015B NM	142746
MB 880-142746/1-A	Method Blank	Total/NA	Solid	8015B NM	142746
LCS 880-142746/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	142746
LCSD 880-142746/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	142746
880-73193-A-41-C MS	Matrix Spike	Total/NA	Solid	8015B NM	142746
880-73193-A-41-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	142746

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73343-1
SDG: Lea County New Mexico

GC Semi VOA

Analysis Batch: 143020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73343-1	SW-53 (4.0')	Total/NA	Solid	8015 NM	
880-73343-2	SW-54 (4.0')	Total/NA	Solid	8015 NM	
880-73343-3	SW-55 (3.0-4.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 142975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73343-1	SW-53 (4.0')	Soluble	Solid	DI Leach	
880-73343-2	SW-54 (4.0')	Soluble	Solid	DI Leach	
880-73343-3	SW-55 (3.0-4.0')	Soluble	Solid	DI Leach	
MB 880-142975/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-142975/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-142975/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-73342-A-2-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-73342-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 143007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73343-1	SW-53 (4.0')	Soluble	Solid	300.0	142975
880-73343-2	SW-54 (4.0')	Soluble	Solid	300.0	142975
880-73343-3	SW-55 (3.0-4.0')	Soluble	Solid	300.0	142975
MB 880-142975/1-A	Method Blank	Soluble	Solid	300.0	142975
LCS 880-142975/2-A	Lab Control Sample	Soluble	Solid	300.0	142975
LCSD 880-142975/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	142975
880-73342-A-2-C MS	Matrix Spike	Soluble	Solid	300.0	142975
880-73342-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	142975

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73343-1
SDG: Lea County New Mexico

Client Sample ID: SW-53 (4.0')

Lab Sample ID: 880-73343-1
Matrix: Solid
Date Collected: 06/08/26 10:24
Date Received: 06/09/26 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	142998	06/09/26 12:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142963	06/09/26 19:01	SA	EET MID
Total/NA	Analysis	Total BTEX		1			143127	06/09/26 19:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			143020	06/09/26 12:31	SA	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10.00 mL	142746	06/05/26 11:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142936	06/09/26 12:31	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	142975	06/09/26 11:12	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143007	06/09/26 21:11	CS	EET MID

Client Sample ID: SW-54 (4.0')

Lab Sample ID: 880-73343-2
Matrix: Solid
Date Collected: 06/08/26 10:27
Date Received: 06/09/26 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	142998	06/09/26 12:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142963	06/09/26 19:21	SA	EET MID
Total/NA	Analysis	Total BTEX		1			143127	06/09/26 19:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			143020	06/09/26 12:45	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	142746	06/05/26 11:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142936	06/09/26 12:45	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	142975	06/09/26 11:12	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143007	06/09/26 21:25	CS	EET MID

Client Sample ID: SW-55 (3.0-4.0')

Lab Sample ID: 880-73343-3
Matrix: Solid
Date Collected: 06/08/26 10:30
Date Received: 06/09/26 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	142998	06/09/26 12:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142963	06/09/26 19:42	SA	EET MID
Total/NA	Analysis	Total BTEX		1			143127	06/09/26 19:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			143020	06/09/26 12:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	142746	06/05/26 11:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142936	06/09/26 12:59	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	142975	06/09/26 11:12	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143007	06/09/26 21:30	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-73343-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. 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: Matador Gavalon (03.13.2026)

Job ID: 880-73343-1
SDG: Lea County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73343-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-73343-1	SW-53 (4.0')	Solid	06/08/26 10:24	06/09/26 08:40	New Mexico
880-73343-2	SW-54 (4.0')	Solid	06/08/26 10:27	06/09/26 08:40	New Mexico
880-73343-3	SW-55 (3.0-4.0')	Solid	06/08/26 10:30	06/09/26 08:40	New Mexico

Released to Imaging: 6/25/2026 8:46:47 AM
Received by OCD: 6/17/2026 9:45:35 AM

Chain of Custody

880-73343 Chain of Custody

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	☐ Routine ☑ Rush
Project Number:	3202	Due Date:	24 hr
Project Location	Lea County, New Mexico		
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-.5
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
SW-53 (4.0')	6/8/2026	10:24	X		Comp	1		X	X	X		
SW-54 (4.0')	6/8/2026	10:27	X		Comp	1		X	X	X		
SW-55 (3.0'-4.0')	6/8/2026	10:30	X		Comp	1		X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6/9/26		6.9.26 840

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-73343-1
SDG Number: Lea County New Mexico

Login Number: 73343
List Number: 1
Creator: Dyal, Erica

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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/11/2026 12:28:37 PM

JOB DESCRIPTION

Matador Gavalon (03.13.2026)
Lea County New Mexico

JOB NUMBER

880-73416-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 6/23/2026 8:46:47 AM

my EOL

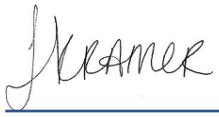
Eurofins Midland

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
6/11/2026 12:28:37 PM

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

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Laboratory Job ID: 880-73416-1
SDG: Lea County New Mexico

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 18
QC Sample Results 20
QC Association Summary 28
Lab Chronicle 33
Certification Summary 38
Method Summary 39
Sample Summary 40
Chain of Custody 41
Receipt Checklists 43

Definitions/Glossary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1

Job ID: 880-73416-1 Eurofins Midland

Job Narrative
880-73416-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 6/9/2026 5:08 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 6.2°C.

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-145 (4.0') (880-73416-2), CS-146 (4.0') (880-73416-3), CS-147 (4.0') (880-73416-4), CS-148 (4.0') (880-73416-5), CS-149 (3.0') (880-73416-6) and CS-151 (3.0') (880-73416-8). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-143204/1-A). Evidence of matrix interferences is not obvious.

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

Diesel Range Organics
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.

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

Client Sample ID: CS-144 (4.0')

Lab Sample ID: 880-73416-1
Matrix: Solid
Date Collected: 06/08/26 12:10
Date Received: 06/09/26 17:08

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		06/10/26 10:29	06/10/26 16:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:29	06/10/26 16:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:29	06/10/26 16:50	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		06/10/26 10:29	06/10/26 16:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:29	06/10/26 16:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/10/26 10:29	06/10/26 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*06/10/26 10:29*	*06/10/26 16:50*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*06/10/26 10:29*	*06/10/26 16:50*	*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			06/10/26 16:50	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			06/10/26 01:45	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	<49.9	U	49.9		mg/Kg		06/09/26 18:06	06/10/26 01:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/26 18:06	06/10/26 01:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/26 18:06	06/10/26 01:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*06/09/26 18:06*	*06/10/26 01:45*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*06/09/26 18:06*	*06/10/26 01:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.1**		10.1		mg/Kg			06/10/26 16:43	1

Client Sample ID: CS-145 (4.0')

Lab Sample ID: 880-73416-2
Matrix: Solid
Date Collected: 06/08/26 12:14
Date Received: 06/09/26 17:08

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		06/10/26 10:29	06/10/26 17:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/10/26 10:29	06/10/26 17:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/10/26 10:29	06/10/26 17:11	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		06/10/26 10:29	06/10/26 17:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/10/26 10:29	06/10/26 17:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/10/26 10:29	06/10/26 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*63*	*S1-*	*70 - 130*	*06/10/26 10:29*	*06/10/26 17:11*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*06/10/26 10:29*	*06/10/26 17:11*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

Client Sample ID: CS-145 (4.0')

Lab Sample ID: 880-73416-2
Matrix: Solid
Date Collected: 06/08/26 12:14
Date Received: 06/09/26 17:08

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			06/10/26 17:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/10/26 02:31	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	<50.1	U	50.1		mg/Kg		06/09/26 18:06	06/10/26 02:31	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		06/09/26 18:06	06/10/26 02:31	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/09/26 18:06	06/10/26 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*106*		*70 - 130*	*06/09/26 18:06*	*06/10/26 02:31*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*06/09/26 18:06*	*06/10/26 02:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**75.6**		10.1		mg/Kg			06/10/26 16:48	1

Client Sample ID: CS-146 (4.0')

Lab Sample ID: 880-73416-3
Matrix: Solid
Date Collected: 06/08/26 12:16
Date Received: 06/09/26 17:08

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		06/10/26 10:29	06/10/26 17:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:29	06/10/26 17:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:29	06/10/26 17:31	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		06/10/26 10:29	06/10/26 17:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:29	06/10/26 17:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/10/26 10:29	06/10/26 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*60*	*S1-*	*70 - 130*	*06/10/26 10:29*	*06/10/26 17:31*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*06/10/26 10:29*	*06/10/26 17:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/10/26 17:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			06/10/26 02:46	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	<49.6	U	49.6		mg/Kg		06/09/26 18:06	06/10/26 02:46	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		06/09/26 18:06	06/10/26 02:46	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

Client Sample ID: CS-146 (4.0')

Lab Sample ID: 880-73416-3
Matrix: Solid
Date Collected: 06/08/26 12:16
Date Received: 06/09/26 17:08

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		06/09/26 18:06	06/10/26 02:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*112*		*70 - 130*	*06/09/26 18:06*	*06/10/26 02:46*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*06/09/26 18:06*	*06/10/26 02:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**79.4**		10.1		mg/Kg			06/10/26 16:53	1

Client Sample ID: CS-147 (4.0')

Lab Sample ID: 880-73416-4
Matrix: Solid
Date Collected: 06/08/26 12:19
Date Received: 06/09/26 17:08

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		06/10/26 10:29	06/10/26 17:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/10/26 10:29	06/10/26 17:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/10/26 10:29	06/10/26 17:52	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		06/10/26 10:29	06/10/26 17:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/10/26 10:29	06/10/26 17:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/10/26 10:29	06/10/26 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*67*	*S1-*	*70 - 130*	*06/10/26 10:29*	*06/10/26 17:52*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*06/10/26 10:29*	*06/10/26 17:52*	*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			06/10/26 17:52	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			06/10/26 03:02	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		06/09/26 18:06	06/10/26 03:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/26 18:06	06/10/26 03:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/26 18:06	06/10/26 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*106*		*70 - 130*	*06/09/26 18:06*	*06/10/26 03:02*	*1*
o-Terphenyl (Surr)	*97*		*70 - 130*	*06/09/26 18:06*	*06/10/26 03:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37.9**		10.1		mg/Kg			06/10/26 16:58	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

Client Sample ID: CS-148 (4.0')

Lab Sample ID: 880-73416-5
Matrix: Solid
Date Collected: 06/08/26 12:23
Date Received: 06/09/26 17:08

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		06/10/26 10:29	06/10/26 18:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:29	06/10/26 18:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:29	06/10/26 18:12	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		06/10/26 10:29	06/10/26 18:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:29	06/10/26 18:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/10/26 10:29	06/10/26 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*64*	*S1-*	*70 - 130*	*06/10/26 10:29*	*06/10/26 18:12*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*06/10/26 10:29*	*06/10/26 18:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/10/26 18:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/10/26 03:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/26 18:06	06/10/26 03:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/26 18:06	06/10/26 03:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/26 18:06	06/10/26 03:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*06/09/26 18:06*	*06/10/26 03:17*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*06/09/26 18:06*	*06/10/26 03:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.9**		10.0		mg/Kg			06/10/26 17:03	1

Client Sample ID: CS-149 (3.0')

Lab Sample ID: 880-73416-6
Matrix: Solid
Date Collected: 06/08/26 12:26
Date Received: 06/09/26 17:08

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		06/10/26 10:29	06/10/26 18:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/10/26 10:29	06/10/26 18:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/10/26 10:29	06/10/26 18:33	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		06/10/26 10:29	06/10/26 18:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/10/26 10:29	06/10/26 18:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/10/26 10:29	06/10/26 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*61*	*S1-*	*70 - 130*	*06/10/26 10:29*	*06/10/26 18:33*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*06/10/26 10:29*	*06/10/26 18:33*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

Client Sample ID: CS-149 (3.0')

Lab Sample ID: 880-73416-6
Matrix: Solid
Date Collected: 06/08/26 12:26
Date Received: 06/09/26 17:08

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			06/10/26 18:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/10/26 03:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/09/26 18:06	06/10/26 03:33	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/09/26 18:06	06/10/26 03:33	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/09/26 18:06	06/10/26 03:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*110*		*70 - 130*	*06/09/26 18:06*	*06/10/26 03:33*	*1*
o-Terphenyl (Surr)	*96*		*70 - 130*	*06/09/26 18:06*	*06/10/26 03:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**109**		9.94		mg/Kg			06/10/26 10:02	1

Client Sample ID: CS-150 (3.0')

Lab Sample ID: 880-73416-7
Matrix: Solid
Date Collected: 06/08/26 12:29
Date Received: 06/09/26 17:08

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		06/10/26 10:29	06/10/26 19:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/10/26 10:29	06/10/26 19:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/10/26 10:29	06/10/26 19:23	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		06/10/26 10:29	06/10/26 19:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/10/26 10:29	06/10/26 19:23	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/10/26 10:29	06/10/26 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*06/10/26 10:29*	*06/10/26 19:23*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/10/26 10:29*	*06/10/26 19:23*	*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			06/10/26 19:23	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			06/10/26 03:48	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		06/09/26 18:06	06/10/26 03:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/26 18:06	06/10/26 03:48	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

Client Sample ID: CS-150 (3.0')

Lab Sample ID: 880-73416-7
Matrix: Solid
Date Collected: 06/08/26 12:29
Date Received: 06/09/26 17:08

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		06/09/26 18:06	06/10/26 03:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*108*		*70 - 130*	*06/09/26 18:06*	*06/10/26 03:48*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*06/09/26 18:06*	*06/10/26 03:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			06/10/26 10:16	1

Client Sample ID: CS-151 (3.0')

Lab Sample ID: 880-73416-8
Matrix: Solid
Date Collected: 06/08/26 12:32
Date Received: 06/09/26 17:08

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		06/10/26 10:29	06/10/26 19:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/10/26 10:29	06/10/26 19:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/10/26 10:29	06/10/26 19:43	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		06/10/26 10:29	06/10/26 19:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/10/26 10:29	06/10/26 19:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/10/26 10:29	06/10/26 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*06/10/26 10:29*	*06/10/26 19:43*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*06/10/26 10:29*	*06/10/26 19:43*	*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			06/10/26 19:43	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			06/10/26 04:02	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	<49.6	U	49.6		mg/Kg		06/09/26 18:06	06/10/26 04:02	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		06/09/26 18:06	06/10/26 04:02	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		06/09/26 18:06	06/10/26 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*106*		*70 - 130*	*06/09/26 18:06*	*06/10/26 04:02*	*1*
o-Terphenyl (Surr)	*95*		*70 - 130*	*06/09/26 18:06*	*06/10/26 04:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.2**		9.98		mg/Kg			06/10/26 10:20	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

Client Sample ID: CS-152 (3.0')

Lab Sample ID: 880-73416-9
Matrix: Solid
Date Collected: 06/08/26 12:35
Date Received: 06/09/26 17:08

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		06/11/26 08:49	06/11/26 11:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/11/26 08:49	06/11/26 11:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/11/26 08:49	06/11/26 11:21	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		06/11/26 08:49	06/11/26 11:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/11/26 08:49	06/11/26 11:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/11/26 08:49	06/11/26 11:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*06/11/26 08:49*	*06/11/26 11:21*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/11/26 08:49*	*06/11/26 11:21*	*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			06/11/26 11:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			06/10/26 04:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		06/09/26 18:06	06/10/26 04:18	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		06/09/26 18:06	06/10/26 04:18	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		06/09/26 18:06	06/10/26 04:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*109*		*70 - 130*	*06/09/26 18:06*	*06/10/26 04:18*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*06/09/26 18:06*	*06/10/26 04:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			06/10/26 10:34	1

Client Sample ID: CS-153 (3.0')

Lab Sample ID: 880-73416-10
Matrix: Solid
Date Collected: 06/08/26 12:28
Date Received: 06/09/26 17:08

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		06/11/26 08:49	06/11/26 11:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/11/26 08:49	06/11/26 11:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/11/26 08:49	06/11/26 11:41	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		06/11/26 08:49	06/11/26 11:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/11/26 08:49	06/11/26 11:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/11/26 08:49	06/11/26 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*06/11/26 08:49*	*06/11/26 11:41*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*06/11/26 08:49*	*06/11/26 11:41*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

Client Sample ID: CS-153 (3.0')

Lab Sample ID: 880-73416-10
Matrix: Solid
Date Collected: 06/08/26 12:28
Date Received: 06/09/26 17:08

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			06/11/26 11:41	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			06/10/26 04:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/09/26 18:06	06/10/26 04:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/26 18:06	06/10/26 04:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/26 18:06	06/10/26 04:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*105*		*70 - 130*	*06/09/26 18:06*	*06/10/26 04:33*	*1*
o-Terphenyl (Surr)	*89*		*70 - 130*	*06/09/26 18:06*	*06/10/26 04:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			06/10/26 10:39	1

Client Sample ID: CS-154 (3.0')

Lab Sample ID: 880-73416-11
Matrix: Solid
Date Collected: 06/08/26 12:31
Date Received: 06/09/26 17:08

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		06/10/26 10:32	06/10/26 17:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:32	06/10/26 17:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:32	06/10/26 17:34	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		06/10/26 10:32	06/10/26 17:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:32	06/10/26 17:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/10/26 10:32	06/10/26 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*06/10/26 10:32*	*06/10/26 17:34*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*06/10/26 10:32*	*06/10/26 17:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/10/26 17:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			06/10/26 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	<49.6	U	49.6		mg/Kg		06/09/26 18:06	06/10/26 05:03	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		06/09/26 18:06	06/10/26 05:03	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

Client Sample ID: CS-154 (3.0')

Lab Sample ID: 880-73416-11
Matrix: Solid
Date Collected: 06/08/26 12:31
Date Received: 06/09/26 17:08

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		06/09/26 18:06	06/10/26 05:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*111*		*70 - 130*	*06/09/26 18:06*	*06/10/26 05:03*	*1*
o-Terphenyl (Surr)	*90*		*70 - 130*	*06/09/26 18:06*	*06/10/26 05:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.2**		10.1		mg/Kg			06/10/26 10:44	1

Client Sample ID: CS-155 (3.0')

Lab Sample ID: 880-73416-12
Matrix: Solid
Date Collected: 06/08/26 12:34
Date Received: 06/09/26 17:08

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		06/10/26 10:32	06/10/26 17:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/10/26 10:32	06/10/26 17:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/10/26 10:32	06/10/26 17:54	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		06/10/26 10:32	06/10/26 17:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/10/26 10:32	06/10/26 17:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/10/26 10:32	06/10/26 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*06/10/26 10:32*	*06/10/26 17:54*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/10/26 10:32*	*06/10/26 17:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/10/26 17:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/10/26 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	<50.1	U	50.1		mg/Kg		06/09/26 18:06	06/10/26 05:18	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		06/09/26 18:06	06/10/26 05:18	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/09/26 18:06	06/10/26 05:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*109*		*70 - 130*	*06/09/26 18:06*	*06/10/26 05:18*	*1*
o-Terphenyl (Surr)	*88*		*70 - 130*	*06/09/26 18:06*	*06/10/26 05:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**58.8**		10.0		mg/Kg			06/10/26 10:48	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

Client Sample ID: CS-156 (3.0')

Lab Sample ID: 880-73416-13
Matrix: Solid
Date Collected: 06/08/26 12:37
Date Received: 06/09/26 17:08

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		06/10/26 10:32	06/10/26 18:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:32	06/10/26 18:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:32	06/10/26 18:15	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		06/10/26 10:32	06/10/26 18:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:32	06/10/26 18:15	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/10/26 10:32	06/10/26 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*06/10/26 10:32*	*06/10/26 18:15*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/10/26 10:32*	*06/10/26 18:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/10/26 18:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/10/26 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	<49.9	U	49.9		mg/Kg		06/09/26 18:06	06/10/26 05:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/26 18:06	06/10/26 05:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/26 18:06	06/10/26 05:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*111*		*70 - 130*	*06/09/26 18:06*	*06/10/26 05:34*	*1*
o-Terphenyl (Surr)	*102*		*70 - 130*	*06/09/26 18:06*	*06/10/26 05:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.0**		9.98		mg/Kg			06/10/26 10:53	1

Client Sample ID: CS-157 (3.0')

Lab Sample ID: 880-73416-14
Matrix: Solid
Date Collected: 06/08/26 12:41
Date Received: 06/09/26 17:08

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		06/10/26 10:32	06/10/26 18:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/10/26 10:32	06/10/26 18:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/10/26 10:32	06/10/26 18:36	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		06/10/26 10:32	06/10/26 18:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/10/26 10:32	06/10/26 18:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/10/26 10:32	06/10/26 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*06/10/26 10:32*	*06/10/26 18:36*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/10/26 10:32*	*06/10/26 18:36*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

Client Sample ID: CS-157 (3.0')

Lab Sample ID: 880-73416-14
Matrix: Solid
Date Collected: 06/08/26 12:41
Date Received: 06/09/26 17:08

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			06/10/26 18:36	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			06/10/26 05:49	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	49.6		mg/Kg		06/09/26 18:06	06/10/26 05:49	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		06/09/26 18:06	06/10/26 05:49	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		06/09/26 18:06	06/10/26 05:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*110*		*70 - 130*	*06/09/26 18:06*	*06/10/26 05:49*	*1*
o-Terphenyl (Surr)	*94*		*70 - 130*	*06/09/26 18:06*	*06/10/26 05:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			06/10/26 10:58	1

Client Sample ID: CS-158 (3.0')

Lab Sample ID: 880-73416-15
Matrix: Solid
Date Collected: 06/08/26 12:44
Date Received: 06/09/26 17:08

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		06/10/26 10:32	06/10/26 18:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:32	06/10/26 18:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:32	06/10/26 18:56	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		06/10/26 10:32	06/10/26 18:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:32	06/10/26 18:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/10/26 10:32	06/10/26 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*06/10/26 10:32*	*06/10/26 18:56*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*06/10/26 10:32*	*06/10/26 18:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/10/26 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			06/10/26 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	<50.3	U	50.3		mg/Kg		06/09/26 18:06	06/10/26 06:06	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		06/09/26 18:06	06/10/26 06:06	1

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

Client Sample ID: CS-158 (3.0')

Date Collected: 06/08/26 12:44
Date Received: 06/09/26 17:08

Lab Sample ID: 880-73416-15

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		06/09/26 18:06	06/10/26 06:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*105*		*70 - 130*	*06/09/26 18:06*	*06/10/26 06:06*	*1*
o-Terphenyl (Surr)	*95*		*70 - 130*	*06/09/26 18:06*	*06/10/26 06:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			06/10/26 11:02	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
880-73416-1	CS-144 (4.0')	83	78
880-73416-2	CS-145 (4.0')	63 S1-	75
880-73416-3	CS-146 (4.0')	60 S1-	73
880-73416-4	CS-147 (4.0')	67 S1-	71
880-73416-5	CS-148 (4.0')	64 S1-	72
880-73416-6	CS-149 (3.0')	61 S1-	71
880-73416-7	CS-150 (3.0')	106	99
880-73416-8	CS-151 (3.0')	68 S1-	75
880-73416-9	CS-152 (3.0')	127	100
880-73416-9 MS	CS-152 (3.0')	112	89
880-73416-9 MSD	CS-152 (3.0')	92	102
880-73416-10	CS-153 (3.0')	130	102
880-73416-11	CS-154 (3.0')	129	102
880-73416-12	CS-155 (3.0')	114	96
880-73416-13	CS-156 (3.0')	118	97
880-73416-14	CS-157 (3.0')	118	99
880-73416-15	CS-158 (3.0')	118	98
890-10060-A-1-G MS	Matrix Spike	94	100
890-10060-A-1-H MSD	Matrix Spike Duplicate	98	102
890-10060-A-11-E MS	Matrix Spike	106	100
890-10060-A-11-F MSD	Matrix Spike Duplicate	102	101
LCS 880-143102/1-A	Lab Control Sample	96	101
LCS 880-143104/1-A	Lab Control Sample	86	86
LCS 880-143204/1-A	Lab Control Sample	103	146 S1+
LCSD 880-143102/2-A	Lab Control Sample Dup	100	100
LCSD 880-143104/2-A	Lab Control Sample Dup	82	87
LCSD 880-143204/2-A	Lab Control Sample Dup	91	102
MB 880-143102/5-A	Method Blank	83	94
MB 880-143104/5-A	Method Blank	100	87
MB 880-143204/5-A	Method Blank	102	86

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**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
880-73416-1	CS-144 (4.0')	113	101
880-73416-1 MS	CS-144 (4.0')	105	98
880-73416-1 MSD	CS-144 (4.0')	101	103
880-73416-2	CS-145 (4.0')	106	93
880-73416-3	CS-146 (4.0')	112	99
880-73416-4	CS-147 (4.0')	106	97
880-73416-5	CS-148 (4.0')	113	92
880-73416-6	CS-149 (3.0')	110	96
880-73416-7	CS-150 (3.0')	108	93

Surrogate Summary

Client: Carmona Resources
Job ID: 880-73416-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County New Mexico

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
880-73416-8	CS-151 (3.0')	106	95								
880-73416-9	CS-152 (3.0')	109	92								
880-73416-10	CS-153 (3.0')	105	89								
880-73416-11	CS-154 (3.0')	111	90								
880-73416-12	CS-155 (3.0')	109	88								
880-73416-13	CS-156 (3.0')	111	102								
880-73416-14	CS-157 (3.0')	110	94								
880-73416-15	CS-158 (3.0')	105	95								
LCS 880-143052/2-A	Lab Control Sample	82	75								
LCSD 880-143052/3-A	Lab Control Sample Dup	83	81								
MB 880-143052/1-A	Method Blank	100	86								

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-143102/5-A
Matrix: Solid
Analysis Batch: 143067

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 143102

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/26 08:00	06/10/26 11:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/26 08:00	06/10/26 11:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/26 08:00	06/10/26 11:48	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		06/10/26 08:00	06/10/26 11:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/26 08:00	06/10/26 11:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/10/26 08:00	06/10/26 11:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*06/10/26 08:00*	*06/10/26 11:48*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/10/26 08:00*	*06/10/26 11:48*	*1*

Lab Sample ID: LCS 880-143102/1-A
Matrix: Solid
Analysis Batch: 143067

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 143102

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08838		mg/Kg		88	70 - 130
Toluene	0.100	0.09257		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.08318		mg/Kg		83	70 - 130
m,p-Xylenes	0.200	0.1798		mg/Kg		90	70 - 130
o-Xylene	0.100	0.09193		mg/Kg		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-143102/2-A
Matrix: Solid
Analysis Batch: 143067

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 143102

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08945		mg/Kg		89	70 - 130	1	35
Toluene	0.100	0.09323		mg/Kg		93	70 - 130	1	35
Ethylbenzene	0.100	0.08467		mg/Kg		85	70 - 130	2	35
m,p-Xylenes	0.200	0.1843		mg/Kg		92	70 - 130	3	35
o-Xylene	0.100	0.09424		mg/Kg		94	70 - 130	2	35

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

Lab Sample ID: 890-10060-A-1-G MS
Matrix: Solid
Analysis Batch: 143067

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 143102

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08352		mg/Kg		84	70 - 130
Toluene	<0.00200	U	0.100	0.08570		mg/Kg		86	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

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

Lab Sample ID: 890-10060-A-1-G MS | **Client Sample ID: Matrix Spike**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 143067 | **Prep Batch: 143102**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.07911		mg/Kg		79	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1697		mg/Kg		85	70 - 130
o-Xylene	<0.00200	U	0.100	0.08561		mg/Kg		86	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-10060-A-1-H MSD | **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 143067 | **Prep Batch: 143102**

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	0.08172		mg/Kg		82	70 - 130	2	35
Toluene	<0.00200	U	0.100	0.08378		mg/Kg		84	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.07678		mg/Kg		77	70 - 130	3	35
m,p-Xylenes	<0.00399	U	0.200	0.1645		mg/Kg		82	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.08351		mg/Kg		84	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 880-143104/5-A | **Client Sample ID: Method Blank**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 143071 | **Prep Batch: 143104**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:32	06/10/26 12:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:32	06/10/26 12:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:32	06/10/26 12:30	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		06/10/26 10:32	06/10/26 12:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:32	06/10/26 12:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/10/26 10:32	06/10/26 12:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*06/10/26 10:32*	*06/10/26 12:30*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*06/10/26 10:32*	*06/10/26 12:30*	*1*

Lab Sample ID: LCS 880-143104/1-A | **Client Sample ID: Lab Control Sample**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 143071 | **Prep Batch: 143104**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08222		mg/Kg		82	70 - 130
Toluene	0.100	0.07922		mg/Kg		79	70 - 130
Ethylbenzene	0.100	0.08199		mg/Kg		82	70 - 130
m,p-Xylenes	0.200	0.1447		mg/Kg		72	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-143104/1-A
Matrix: Solid
Analysis Batch: 143071

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 143104

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.07187		mg/Kg		72	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*

Lab Sample ID: LCSD 880-143104/2-A
Matrix: Solid
Analysis Batch: 143071

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 143104

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09639		mg/Kg		96	70 - 130	16	35
Toluene			0.100	0.09511		mg/Kg		95	70 - 130	18	35
Ethylbenzene			0.100	0.09646		mg/Kg		96	70 - 130	16	35
m,p-Xylenes			0.200	0.1683		mg/Kg		84	70 - 130	15	35
o-Xylene			0.100	0.08722		mg/Kg		87	70 - 130	19	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: 890-10060-A-11-E MS
Matrix: Solid
Analysis Batch: 143071

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 143104

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.09875		mg/Kg		99	70 - 130		
Toluene	<0.00200	U	0.100	0.1001		mg/Kg		100	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.09184		mg/Kg		92	70 - 130		
m,p-Xylenes	<0.00399	U	0.200	0.2282		mg/Kg		114	70 - 130		
o-Xylene	<0.00200	U	0.100	0.1192		mg/Kg		119	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-10060-A-11-F MSD
Matrix: Solid
Analysis Batch: 143071

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 143104

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	0.09937		mg/Kg		99	70 - 130	1	35
Toluene	<0.00200	U	0.100	0.09841		mg/Kg		98	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.08698		mg/Kg		87	70 - 130	5	35
m,p-Xylenes	<0.00399	U	0.200	0.1695		mg/Kg		85	70 - 130	30	35
o-Xylene	<0.00200	U	0.100	0.08916		mg/Kg		89	70 - 130	29	35

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

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

Lab Sample ID: 890-10060-A-11-F MSD
Matrix: Solid
Analysis Batch: 143071

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 143104

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-143204/5-A
Matrix: Solid
Analysis Batch: 143194

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 143204

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/11/26 08:49	06/11/26 10:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/11/26 08:49	06/11/26 10:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/11/26 08:49	06/11/26 10:59	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		06/11/26 08:49	06/11/26 10:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/11/26 08:49	06/11/26 10:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/11/26 08:49	06/11/26 10:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/11/26 08:49	06/11/26 10:59	1
1,4-Difluorobenzene (Surr)	86		70 - 130	06/11/26 08:49	06/11/26 10:59	1

Lab Sample ID: LCS 880-143204/1-A
Matrix: Solid
Analysis Batch: 143194

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 143204

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1296		mg/Kg		130	70 - 130		
Toluene			0.100	0.09934		mg/Kg		99	70 - 130		
Ethylbenzene			0.100	0.08114		mg/Kg		81	70 - 130		
m,p-Xylenes			0.200	0.1989		mg/Kg		99	70 - 130		
o-Xylene			0.100	0.1072		mg/Kg		107	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	146	S1+	70 - 130

Lab Sample ID: LCSD 880-143204/2-A
Matrix: Solid
Analysis Batch: 143194

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 143204

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09972		mg/Kg		100	70 - 130	26	35
Toluene			0.100	0.09883		mg/Kg		99	70 - 130	1	35
Ethylbenzene			0.100	0.09087		mg/Kg		91	70 - 130	11	35
m,p-Xylenes			0.200	0.1785		mg/Kg		89	70 - 130	11	35
o-Xylene			0.100	0.09321		mg/Kg		93	70 - 130	14	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCSD 880-143204/2-A
Matrix: Solid
Analysis Batch: 143194

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 143204

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

Lab Sample ID: 880-73416-9 MS
Matrix: Solid
Analysis Batch: 143194

Client Sample ID: CS-152 (3.0')
Prep Type: Total/NA
Prep Batch: 143204

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.1008		mg/Kg		101	70 - 130		
Toluene	<0.00200	U	0.100	0.09875		mg/Kg		99	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.09203		mg/Kg		92	70 - 130		
m,p-Xylenes	<0.00399	U	0.200	0.1806		mg/Kg		90	70 - 130		
o-Xylene	<0.00200	U	0.100	0.09706		mg/Kg		97	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-73416-9 MSD
Matrix: Solid
Analysis Batch: 143194

Client Sample ID: CS-152 (3.0')
Prep Type: Total/NA
Prep Batch: 143204

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	0.08839		mg/Kg		88	70 - 130	13	35
Toluene	<0.00200	U	0.100	0.08567		mg/Kg		86	70 - 130	14	35
Ethylbenzene	<0.00200	U	0.100	0.08488		mg/Kg		85	70 - 130	8	35
m,p-Xylenes	<0.00399	U	0.200	0.1642		mg/Kg		82	70 - 130	9	35
o-Xylene	<0.00200	U	0.100	0.08811		mg/Kg		88	70 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-143052/1-A
Matrix: Solid
Analysis Batch: 142943

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 143052

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		06/09/26 18:06	06/10/26 00:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/26 18:06	06/10/26 00:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/26 18:06	06/10/26 00:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130	06/09/26 18:06	06/10/26 00:59	1
o-Terphenyl (Surr)	86		70 - 130	06/09/26 18:06	06/10/26 00:59	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-143052/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 142943 — **Prep Batch: 143052**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	951.1		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	848.7		mg/Kg		85	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*82*		*70 - 130*
o-Terphenyl (Surr)	*75*		*70 - 130*

Lab Sample ID: LCSD 880-143052/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 142943 — **Prep Batch: 143052**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	920.3		mg/Kg		92	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	874.9		mg/Kg		87	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*83*		*70 - 130*
o-Terphenyl (Surr)	*81*		*70 - 130*

Lab Sample ID: 880-73416-1 MS — **Client Sample ID: CS-144 (4.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 142943 — **Prep Batch: 143052**

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	999	1084		mg/Kg		106	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	958.0		mg/Kg		96	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*105*		*70 - 130*
o-Terphenyl (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-73416-1 MSD — **Client Sample ID: CS-144 (4.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 142943 — **Prep Batch: 143052**

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	999	983.6		mg/Kg		96	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	953.9		mg/Kg		95	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*101*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-73416-1 MSD
Matrix: Solid
Analysis Batch: 142943

Client Sample ID: CS-144 (4.0')
Prep Type: Total/NA
Prep Batch: 143052

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl (Surr)	*103*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-143045/1-A
Matrix: Solid
Analysis Batch: 143063

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			06/10/26 08:34	1

Lab Sample ID: LCS 880-143045/2-A
Matrix: Solid
Analysis Batch: 143063

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	230.4		mg/Kg		92	90 - 110		

Lab Sample ID: LCSD 880-143045/3-A
Matrix: Solid
Analysis Batch: 143063

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	232.2		mg/Kg		93	90 - 110	1	20

Lab Sample ID: 880-73416-6 MS
Matrix: Solid
Analysis Batch: 143063

Client Sample ID: CS-149 (3.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	109		249	355.4		mg/Kg		99	90 - 110		

Lab Sample ID: 880-73416-6 MSD
Matrix: Solid
Analysis Batch: 143063

Client Sample ID: CS-149 (3.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	109		249	355.4		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-143046/1-A
Matrix: Solid
Analysis Batch: 143112

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			06/10/26 14:33	1

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-143046/2-A
Matrix: Solid
Analysis Batch: 143112

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	257.1		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-143046/3-A
Matrix: Solid
Analysis Batch: 143112

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	257.5		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-73415-A-1-B MS
Matrix: Solid
Analysis Batch: 143112

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	372		252	610.2		mg/Kg		94	90 - 110		

Lab Sample ID: 880-73415-A-1-C MSD
Matrix: Solid
Analysis Batch: 143112

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	372		252	611.3		mg/Kg		95	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

GC VOA

Analysis Batch: 143067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73416-1	CS-144 (4.0')	Total/NA	Solid	8021B	143102
880-73416-2	CS-145 (4.0')	Total/NA	Solid	8021B	143102
880-73416-3	CS-146 (4.0')	Total/NA	Solid	8021B	143102
880-73416-4	CS-147 (4.0')	Total/NA	Solid	8021B	143102
880-73416-5	CS-148 (4.0')	Total/NA	Solid	8021B	143102
880-73416-6	CS-149 (3.0')	Total/NA	Solid	8021B	143102
880-73416-7	CS-150 (3.0')	Total/NA	Solid	8021B	143102
880-73416-8	CS-151 (3.0')	Total/NA	Solid	8021B	143102
MB 880-143102/5-A	Method Blank	Total/NA	Solid	8021B	143102
LCS 880-143102/1-A	Lab Control Sample	Total/NA	Solid	8021B	143102
LCSD 880-143102/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	143102
890-10060-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	143102
890-10060-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	143102

Analysis Batch: 143071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73416-11	CS-154 (3.0')	Total/NA	Solid	8021B	143104
880-73416-12	CS-155 (3.0')	Total/NA	Solid	8021B	143104
880-73416-13	CS-156 (3.0')	Total/NA	Solid	8021B	143104
880-73416-14	CS-157 (3.0')	Total/NA	Solid	8021B	143104
880-73416-15	CS-158 (3.0')	Total/NA	Solid	8021B	143104
MB 880-143104/5-A	Method Blank	Total/NA	Solid	8021B	143104
LCS 880-143104/1-A	Lab Control Sample	Total/NA	Solid	8021B	143104
LCSD 880-143104/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	143104
890-10060-A-11-E MS	Matrix Spike	Total/NA	Solid	8021B	143104
890-10060-A-11-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	143104

Prep Batch: 143102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73416-1	CS-144 (4.0')	Total/NA	Solid	5035	
880-73416-2	CS-145 (4.0')	Total/NA	Solid	5035	
880-73416-3	CS-146 (4.0')	Total/NA	Solid	5035	
880-73416-4	CS-147 (4.0')	Total/NA	Solid	5035	
880-73416-5	CS-148 (4.0')	Total/NA	Solid	5035	
880-73416-6	CS-149 (3.0')	Total/NA	Solid	5035	
880-73416-7	CS-150 (3.0')	Total/NA	Solid	5035	
880-73416-8	CS-151 (3.0')	Total/NA	Solid	5035	
MB 880-143102/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-143102/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-143102/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-10060-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
890-10060-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 143104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73416-11	CS-154 (3.0')	Total/NA	Solid	5035	
880-73416-12	CS-155 (3.0')	Total/NA	Solid	5035	
880-73416-13	CS-156 (3.0')	Total/NA	Solid	5035	
880-73416-14	CS-157 (3.0')	Total/NA	Solid	5035	
880-73416-15	CS-158 (3.0')	Total/NA	Solid	5035	
MB 880-143104/5-A	Method Blank	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

GC VOA (Continued)

Prep Batch: 143104 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-143104/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-143104/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-10060-A-11-E MS	Matrix Spike	Total/NA	Solid	5035	
890-10060-A-11-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 143194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73416-9	CS-152 (3.0')	Total/NA	Solid	8021B	143204
880-73416-10	CS-153 (3.0')	Total/NA	Solid	8021B	143204
MB 880-143204/5-A	Method Blank	Total/NA	Solid	8021B	143204
LCS 880-143204/1-A	Lab Control Sample	Total/NA	Solid	8021B	143204
LCSD 880-143204/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	143204
880-73416-9 MS	CS-152 (3.0')	Total/NA	Solid	8021B	143204
880-73416-9 MSD	CS-152 (3.0')	Total/NA	Solid	8021B	143204

Prep Batch: 143204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73416-9	CS-152 (3.0')	Total/NA	Solid	5035	
880-73416-10	CS-153 (3.0')	Total/NA	Solid	5035	
MB 880-143204/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-143204/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-143204/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-73416-9 MS	CS-152 (3.0')	Total/NA	Solid	5035	
880-73416-9 MSD	CS-152 (3.0')	Total/NA	Solid	5035	

Analysis Batch: 143232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73416-1	CS-144 (4.0')	Total/NA	Solid	Total BTEX	
880-73416-2	CS-145 (4.0')	Total/NA	Solid	Total BTEX	
880-73416-3	CS-146 (4.0')	Total/NA	Solid	Total BTEX	
880-73416-4	CS-147 (4.0')	Total/NA	Solid	Total BTEX	
880-73416-5	CS-148 (4.0')	Total/NA	Solid	Total BTEX	
880-73416-6	CS-149 (3.0')	Total/NA	Solid	Total BTEX	
880-73416-7	CS-150 (3.0')	Total/NA	Solid	Total BTEX	
880-73416-8	CS-151 (3.0')	Total/NA	Solid	Total BTEX	
880-73416-9	CS-152 (3.0')	Total/NA	Solid	Total BTEX	
880-73416-10	CS-153 (3.0')	Total/NA	Solid	Total BTEX	
880-73416-11	CS-154 (3.0')	Total/NA	Solid	Total BTEX	
880-73416-12	CS-155 (3.0')	Total/NA	Solid	Total BTEX	
880-73416-13	CS-156 (3.0')	Total/NA	Solid	Total BTEX	
880-73416-14	CS-157 (3.0')	Total/NA	Solid	Total BTEX	
880-73416-15	CS-158 (3.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 142943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73416-1	CS-144 (4.0')	Total/NA	Solid	8015B NM	143052
880-73416-2	CS-145 (4.0')	Total/NA	Solid	8015B NM	143052
880-73416-3	CS-146 (4.0')	Total/NA	Solid	8015B NM	143052
880-73416-4	CS-147 (4.0')	Total/NA	Solid	8015B NM	143052

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 142943 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73416-5	CS-148 (4.0')	Total/NA	Solid	8015B NM	143052
880-73416-6	CS-149 (3.0')	Total/NA	Solid	8015B NM	143052
880-73416-7	CS-150 (3.0')	Total/NA	Solid	8015B NM	143052
880-73416-8	CS-151 (3.0')	Total/NA	Solid	8015B NM	143052
880-73416-9	CS-152 (3.0')	Total/NA	Solid	8015B NM	143052
880-73416-10	CS-153 (3.0')	Total/NA	Solid	8015B NM	143052
880-73416-11	CS-154 (3.0')	Total/NA	Solid	8015B NM	143052
880-73416-12	CS-155 (3.0')	Total/NA	Solid	8015B NM	143052
880-73416-13	CS-156 (3.0')	Total/NA	Solid	8015B NM	143052
880-73416-14	CS-157 (3.0')	Total/NA	Solid	8015B NM	143052
880-73416-15	CS-158 (3.0')	Total/NA	Solid	8015B NM	143052
MB 880-143052/1-A	Method Blank	Total/NA	Solid	8015B NM	143052
LCS 880-143052/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	143052
LCSD 880-143052/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	143052
880-73416-1 MS	CS-144 (4.0')	Total/NA	Solid	8015B NM	143052
880-73416-1 MSD	CS-144 (4.0')	Total/NA	Solid	8015B NM	143052

Prep Batch: 143052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73416-1	CS-144 (4.0')	Total/NA	Solid	8015NM Prep	
880-73416-2	CS-145 (4.0')	Total/NA	Solid	8015NM Prep	
880-73416-3	CS-146 (4.0')	Total/NA	Solid	8015NM Prep	
880-73416-4	CS-147 (4.0')	Total/NA	Solid	8015NM Prep	
880-73416-5	CS-148 (4.0')	Total/NA	Solid	8015NM Prep	
880-73416-6	CS-149 (3.0')	Total/NA	Solid	8015NM Prep	
880-73416-7	CS-150 (3.0')	Total/NA	Solid	8015NM Prep	
880-73416-8	CS-151 (3.0')	Total/NA	Solid	8015NM Prep	
880-73416-9	CS-152 (3.0')	Total/NA	Solid	8015NM Prep	
880-73416-10	CS-153 (3.0')	Total/NA	Solid	8015NM Prep	
880-73416-11	CS-154 (3.0')	Total/NA	Solid	8015NM Prep	
880-73416-12	CS-155 (3.0')	Total/NA	Solid	8015NM Prep	
880-73416-13	CS-156 (3.0')	Total/NA	Solid	8015NM Prep	
880-73416-14	CS-157 (3.0')	Total/NA	Solid	8015NM Prep	
880-73416-15	CS-158 (3.0')	Total/NA	Solid	8015NM Prep	
MB 880-143052/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-143052/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-143052/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-73416-1 MS	CS-144 (4.0')	Total/NA	Solid	8015NM Prep	
880-73416-1 MSD	CS-144 (4.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 143076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73416-1	CS-144 (4.0')	Total/NA	Solid	8015 NM	
880-73416-2	CS-145 (4.0')	Total/NA	Solid	8015 NM	
880-73416-3	CS-146 (4.0')	Total/NA	Solid	8015 NM	
880-73416-4	CS-147 (4.0')	Total/NA	Solid	8015 NM	
880-73416-5	CS-148 (4.0')	Total/NA	Solid	8015 NM	
880-73416-6	CS-149 (3.0')	Total/NA	Solid	8015 NM	
880-73416-7	CS-150 (3.0')	Total/NA	Solid	8015 NM	
880-73416-8	CS-151 (3.0')	Total/NA	Solid	8015 NM	
880-73416-9	CS-152 (3.0')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 143076 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73416-10	CS-153 (3.0')	Total/NA	Solid	8015 NM	
880-73416-11	CS-154 (3.0')	Total/NA	Solid	8015 NM	
880-73416-12	CS-155 (3.0')	Total/NA	Solid	8015 NM	
880-73416-13	CS-156 (3.0')	Total/NA	Solid	8015 NM	
880-73416-14	CS-157 (3.0')	Total/NA	Solid	8015 NM	
880-73416-15	CS-158 (3.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 143045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73416-6	CS-149 (3.0')	Soluble	Solid	DI Leach	
880-73416-7	CS-150 (3.0')	Soluble	Solid	DI Leach	
880-73416-8	CS-151 (3.0')	Soluble	Solid	DI Leach	
880-73416-9	CS-152 (3.0')	Soluble	Solid	DI Leach	
880-73416-10	CS-153 (3.0')	Soluble	Solid	DI Leach	
880-73416-11	CS-154 (3.0')	Soluble	Solid	DI Leach	
880-73416-12	CS-155 (3.0')	Soluble	Solid	DI Leach	
880-73416-13	CS-156 (3.0')	Soluble	Solid	DI Leach	
880-73416-14	CS-157 (3.0')	Soluble	Solid	DI Leach	
880-73416-15	CS-158 (3.0')	Soluble	Solid	DI Leach	
MB 880-143045/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-143045/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-143045/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-73416-6 MS	CS-149 (3.0')	Soluble	Solid	DI Leach	
880-73416-6 MSD	CS-149 (3.0')	Soluble	Solid	DI Leach	

Leach Batch: 143046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73416-1	CS-144 (4.0')	Soluble	Solid	DI Leach	
880-73416-2	CS-145 (4.0')	Soluble	Solid	DI Leach	
880-73416-3	CS-146 (4.0')	Soluble	Solid	DI Leach	
880-73416-4	CS-147 (4.0')	Soluble	Solid	DI Leach	
880-73416-5	CS-148 (4.0')	Soluble	Solid	DI Leach	
MB 880-143046/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-143046/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-143046/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-73415-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-73415-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 143063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73416-6	CS-149 (3.0')	Soluble	Solid	300.0	143045
880-73416-7	CS-150 (3.0')	Soluble	Solid	300.0	143045
880-73416-8	CS-151 (3.0')	Soluble	Solid	300.0	143045
880-73416-9	CS-152 (3.0')	Soluble	Solid	300.0	143045
880-73416-10	CS-153 (3.0')	Soluble	Solid	300.0	143045
880-73416-11	CS-154 (3.0')	Soluble	Solid	300.0	143045
880-73416-12	CS-155 (3.0')	Soluble	Solid	300.0	143045
880-73416-13	CS-156 (3.0')	Soluble	Solid	300.0	143045
880-73416-14	CS-157 (3.0')	Soluble	Solid	300.0	143045

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

HPLC/IC (Continued)

Analysis Batch: 143063 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73416-15	CS-158 (3.0')	Soluble	Solid	300.0	143045
MB 880-143045/1-A	Method Blank	Soluble	Solid	300.0	143045
LCS 880-143045/2-A	Lab Control Sample	Soluble	Solid	300.0	143045
LCSD 880-143045/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	143045
880-73416-6 MS	CS-149 (3.0')	Soluble	Solid	300.0	143045
880-73416-6 MSD	CS-149 (3.0')	Soluble	Solid	300.0	143045

Analysis Batch: 143112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73416-1	CS-144 (4.0')	Soluble	Solid	300.0	143046
880-73416-2	CS-145 (4.0')	Soluble	Solid	300.0	143046
880-73416-3	CS-146 (4.0')	Soluble	Solid	300.0	143046
880-73416-4	CS-147 (4.0')	Soluble	Solid	300.0	143046
880-73416-5	CS-148 (4.0')	Soluble	Solid	300.0	143046
MB 880-143046/1-A	Method Blank	Soluble	Solid	300.0	143046
LCS 880-143046/2-A	Lab Control Sample	Soluble	Solid	300.0	143046
LCSD 880-143046/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	143046
880-73415-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	143046
880-73415-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	143046

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

Client Sample ID: CS-144 (4.0')

Lab Sample ID: 880-73416-1
Matrix: Solid
Date Collected: 06/08/26 12:10
Date Received: 06/09/26 17:08

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	143102	06/10/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	143067	06/10/26 16:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			143232	06/10/26 16:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			143076	06/10/26 01:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	143052	06/09/26 18:06	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142943	06/10/26 01:45	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	143046	06/09/26 17:28	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143112	06/10/26 16:43	CS	EET MID

Client Sample ID: CS-145 (4.0')

Lab Sample ID: 880-73416-2
Matrix: Solid
Date Collected: 06/08/26 12:14
Date Received: 06/09/26 17:08

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	143102	06/10/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	143067	06/10/26 17:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			143232	06/10/26 17:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			143076	06/10/26 02:31	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	143052	06/09/26 18:06	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142943	06/10/26 02:31	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	143046	06/09/26 17:28	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143112	06/10/26 16:48	CS	EET MID

Client Sample ID: CS-146 (4.0')

Lab Sample ID: 880-73416-3
Matrix: Solid
Date Collected: 06/08/26 12:16
Date Received: 06/09/26 17:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	143102	06/10/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	143067	06/10/26 17:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			143232	06/10/26 17:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			143076	06/10/26 02:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	143052	06/09/26 18:06	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142943	06/10/26 02:46	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	143046	06/09/26 17:28	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143112	06/10/26 16:53	CS	EET MID

Client Sample ID: CS-147 (4.0')

Lab Sample ID: 880-73416-4
Matrix: Solid
Date Collected: 06/08/26 12:19
Date Received: 06/09/26 17:08

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	143102	06/10/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	143067	06/10/26 17:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			143232	06/10/26 17:52	SA	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

Client Sample ID: CS-147 (4.0')

Lab Sample ID: 880-73416-4
Matrix: Solid
Date Collected: 06/08/26 12:19
Date Received: 06/09/26 17:08

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			143076	06/10/26 03:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	143052	06/09/26 18:06	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142943	06/10/26 03:02	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	143046	06/09/26 17:28	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143112	06/10/26 16:58	CS	EET MID

Client Sample ID: CS-148 (4.0')

Lab Sample ID: 880-73416-5
Matrix: Solid
Date Collected: 06/08/26 12:23
Date Received: 06/09/26 17:08

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	143102	06/10/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	143067	06/10/26 18:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			143232	06/10/26 18:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			143076	06/10/26 03:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	143052	06/09/26 18:06	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142943	06/10/26 03:17	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	143046	06/09/26 17:28	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143112	06/10/26 17:03	CS	EET MID

Client Sample ID: CS-149 (3.0')

Lab Sample ID: 880-73416-6
Matrix: Solid
Date Collected: 06/08/26 12:26
Date Received: 06/09/26 17:08

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	143102	06/10/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	143067	06/10/26 18:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			143232	06/10/26 18:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			143076	06/10/26 03:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	143052	06/09/26 18:06	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142943	06/10/26 03:33	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	143045	06/09/26 17:26	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143063	06/10/26 10:02	CS	EET MID

Client Sample ID: CS-150 (3.0')

Lab Sample ID: 880-73416-7
Matrix: Solid
Date Collected: 06/08/26 12:29
Date Received: 06/09/26 17:08

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	143102	06/10/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	143067	06/10/26 19:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			143232	06/10/26 19:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			143076	06/10/26 03:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	143052	06/09/26 18:06	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142943	06/10/26 03:48	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

Client Sample ID: CS-150 (3.0')

Lab Sample ID: 880-73416-7
Matrix: Solid
Date Collected: 06/08/26 12:29
Date Received: 06/09/26 17:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	143045	06/09/26 17:26	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143063	06/10/26 10:16	CS	EET MID

Client Sample ID: CS-151 (3.0')

Lab Sample ID: 880-73416-8
Matrix: Solid
Date Collected: 06/08/26 12:32
Date Received: 06/09/26 17:08

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	143102	06/10/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	143067	06/10/26 19:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			143232	06/10/26 19:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			143076	06/10/26 04:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	143052	06/09/26 18:06	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142943	06/10/26 04:02	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	143045	06/09/26 17:26	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143063	06/10/26 10:20	CS	EET MID

Client Sample ID: CS-152 (3.0')

Lab Sample ID: 880-73416-9
Matrix: Solid
Date Collected: 06/08/26 12:35
Date Received: 06/09/26 17:08

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	143204	06/11/26 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	143194	06/11/26 11:21	SA	EET MID
Total/NA	Analysis	Total BTEX		1			143232	06/11/26 11:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			143076	06/10/26 04:18	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10.00 mL	143052	06/09/26 18:06	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142943	06/10/26 04:18	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	143045	06/09/26 17:26	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143063	06/10/26 10:34	CS	EET MID

Client Sample ID: CS-153 (3.0')

Lab Sample ID: 880-73416-10
Matrix: Solid
Date Collected: 06/08/26 12:28
Date Received: 06/09/26 17:08

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	143204	06/11/26 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	143194	06/11/26 11:41	SA	EET MID
Total/NA	Analysis	Total BTEX		1			143232	06/11/26 11:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			143076	06/10/26 04:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	143052	06/09/26 18:06	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142943	06/10/26 04:33	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	143045	06/09/26 17:26	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143063	06/10/26 10:39	CS	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

Client Sample ID: CS-154 (3.0')

Lab Sample ID: 880-73416-11
Matrix: Solid
Date Collected: 06/08/26 12:31
Date Received: 06/09/26 17:08

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	143104	06/10/26 10:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	143071	06/10/26 17:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			143232	06/10/26 17:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			143076	06/10/26 05:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	143052	06/09/26 18:06	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142943	06/10/26 05:03	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	143045	06/09/26 17:26	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143063	06/10/26 10:44	CS	EET MID

Client Sample ID: CS-155 (3.0')

Lab Sample ID: 880-73416-12
Matrix: Solid
Date Collected: 06/08/26 12:34
Date Received: 06/09/26 17:08

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	143104	06/10/26 10:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	143071	06/10/26 17:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			143232	06/10/26 17:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			143076	06/10/26 05:18	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	143052	06/09/26 18:06	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142943	06/10/26 05:18	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	143045	06/09/26 17:26	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143063	06/10/26 10:48	CS	EET MID

Client Sample ID: CS-156 (3.0')

Lab Sample ID: 880-73416-13
Matrix: Solid
Date Collected: 06/08/26 12:37
Date Received: 06/09/26 17:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	143104	06/10/26 10:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	143071	06/10/26 18:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			143232	06/10/26 18:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			143076	06/10/26 05:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	143052	06/09/26 18:06	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142943	06/10/26 05:34	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	143045	06/09/26 17:26	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143063	06/10/26 10:53	CS	EET MID

Client Sample ID: CS-157 (3.0')

Lab Sample ID: 880-73416-14
Matrix: Solid
Date Collected: 06/08/26 12:41
Date Received: 06/09/26 17:08

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	143104	06/10/26 10:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	143071	06/10/26 18:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			143232	06/10/26 18:36	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

Client Sample ID: CS-157 (3.0')

Lab Sample ID: 880-73416-14
Matrix: Solid
Date Collected: 06/08/26 12:41
Date Received: 06/09/26 17:08

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			143076	06/10/26 05:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	143052	06/09/26 18:06	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142943	06/10/26 05:49	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	143045	06/09/26 17:26	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143063	06/10/26 10:58	CS	EET MID

Client Sample ID: CS-158 (3.0')

Lab Sample ID: 880-73416-15
Matrix: Solid
Date Collected: 06/08/26 12:44
Date Received: 06/09/26 17:08

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	143104	06/10/26 10:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	143071	06/10/26 18:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			143232	06/10/26 18:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			143076	06/10/26 06:06	SA	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10.00 mL	143052	06/09/26 18:06	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142943	06/10/26 06:06	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	143045	06/09/26 17:26	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143063	06/10/26 11:02	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-73416-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. 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: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73416-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-73416-1	CS-144 (4.0')	Solid	06/08/26 12:10	06/09/26 17:08	New Mexico
880-73416-2	CS-145 (4.0')	Solid	06/08/26 12:14	06/09/26 17:08	New Mexico
880-73416-3	CS-146 (4.0')	Solid	06/08/26 12:16	06/09/26 17:08	New Mexico
880-73416-4	CS-147 (4.0')	Solid	06/08/26 12:19	06/09/26 17:08	New Mexico
880-73416-5	CS-148 (4.0')	Solid	06/08/26 12:23	06/09/26 17:08	New Mexico
880-73416-6	CS-149 (3.0')	Solid	06/08/26 12:26	06/09/26 17:08	New Mexico
880-73416-7	CS-150 (3.0')	Solid	06/08/26 12:29	06/09/26 17:08	New Mexico
880-73416-8	CS-151 (3.0')	Solid	06/08/26 12:32	06/09/26 17:08	New Mexico
880-73416-9	CS-152 (3.0')	Solid	06/08/26 12:35	06/09/26 17:08	New Mexico
880-73416-10	CS-153 (3.0')	Solid	06/08/26 12:28	06/09/26 17:08	New Mexico
880-73416-11	CS-154 (3.0')	Solid	06/08/26 12:31	06/09/26 17:08	New Mexico
880-73416-12	CS-155 (3.0')	Solid	06/08/26 12:34	06/09/26 17:08	New Mexico
880-73416-13	CS-156 (3.0')	Solid	06/08/26 12:37	06/09/26 17:08	New Mexico
880-73416-14	CS-157 (3.0')	Solid	06/08/26 12:41	06/09/26 17:08	New Mexico
880-73416-15	CS-158 (3.0')	Solid	06/08/26 12:44	06/09/26 17:08	New Mexico

Page 889 of 957

Chain of Custody

6/11/2026

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	☐ Routine ☑ Rush
Project Number:	3202	Due Date:	24 hr
Project Location:	Lea County, New Mexico		
Sampler's Name:	JM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	6.4
Total Containers:		Corrected Temperature:	6.2

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS-144 (4.0')	6/8/2026	12:10	X		Comp	1		X	X	X		
CS-145 (4.0')	6/8/2026	12:14	X		Comp	1		X	X	X		
CS-146 (4.0')	6/8/2026	12:16	X		Comp	1		X	X	X		
CS-147 (4.0')	6/8/2026	12:19	X		Comp	1		X	X	X		
CS-148 (4.0')	6/8/2026	12:23	X		Comp	1		X	X	X		
CS-149 (3.0')	6/8/2026	12:26	X		Comp	1		X	X	X		
CS-150 (3.0')	6/8/2026	12:29	X		Comp	1		X	X	X		
CS-151 (3.0')	6/8/2026	12:32	X		Comp	1		X	X	X		
CS-152 (3.0')	6/8/2026	12:35	X		Comp	1		X	X	X		
CS-153 (3.0')	6/8/2026	12:28	X		Comp	1		X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
		Erin Ryd	6.9.26 1708

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Page 890 of 957

Chain of Custody

Work Order No: _____

6/11/2026

Page 2 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	☐ Routine ☑ Rush
Project Number:	3202	Due Date:	24 hr
Project Location	Lea County, New Mexico		
Sampler's Name:	JM		
PO #:			

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

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS-154 (3.0')	6/8/2026	12:31	X		Comp	1	X	X	X		
CS-155 (3.0')	6/8/2026	12:34	X		Comp	1	X	X	X		
CS-156 (3.0')	6/8/2026	12:37	X		Comp	1	X	X	X		
CS-157 (3.0')	6/8/2026	12:41	X		Comp	1	X	X	X		
CS-158 (3.0')	6/8/2026	12:44	X		Comp	1	X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			6-9-26 1708

Page 42 of 43

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-73416-1
SDG Number: Lea County New Mexico

Login Number: 73416
List Number: 1
Creator: Dyal, Erica

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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/11/2026 11:18:02 AM

JOB DESCRIPTION

Matador Gavalon (03.13.2026)
Lea County New Mexico

JOB NUMBER

880-73417-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 6/23/2026 8:46:47 AM

my EOL

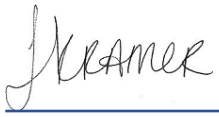
Eurofins Midland

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
6/11/2026 11:18:02 AM

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

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Laboratory Job ID: 880-73417-1
SDG: Lea County New Mexico

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 8
QC Sample Results 9
QC Association Summary 13
Lab Chronicle 15
Certification Summary 16
Method Summary 17
Sample Summary 18
Chain of Custody 19
Receipt Checklists 20

Definitions/Glossary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73417-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Matador Gavalon (03.13.2026)

Job ID: 880-73417-1

Job ID: 880-73417-1 Eurofins Midland

Job Narrative
880-73417-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 6/9/2026 5:08 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 6.2°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
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.

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73417-1
SDG: Lea County New Mexico

Client Sample ID: SW-56 (3.0')

Lab Sample ID: 880-73417-1
Matrix: Solid
Date Collected: 06/08/26 12:48
Date Received: 06/09/26 17:08

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		06/10/26 10:32	06/10/26 19:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/10/26 10:32	06/10/26 19:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/10/26 10:32	06/10/26 19:58	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		06/10/26 10:32	06/10/26 19:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/10/26 10:32	06/10/26 19:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/10/26 10:32	06/10/26 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*06/10/26 10:32*	*06/10/26 19:58*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/10/26 10:32*	*06/10/26 19:58*	*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			06/10/26 19:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/10/26 06:21	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/09/26 18:06	06/10/26 06:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/26 18:06	06/10/26 06:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/26 18:06	06/10/26 06:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*112*		*70 - 130*	*06/09/26 18:06*	*06/10/26 06:21*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*06/09/26 18:06*	*06/10/26 06:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.5**		9.94		mg/Kg			06/10/26 15:28	1

Client Sample ID: SW-57 (3.0')

Lab Sample ID: 880-73417-2
Matrix: Solid
Date Collected: 06/08/26 12:52
Date Received: 06/09/26 17:08

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		06/10/26 10:32	06/10/26 20:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:32	06/10/26 20:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:32	06/10/26 20:19	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		06/10/26 10:32	06/10/26 20:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:32	06/10/26 20:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/10/26 10:32	06/10/26 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*06/10/26 10:32*	*06/10/26 20:19*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*06/10/26 10:32*	*06/10/26 20:19*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73417-1
SDG: Lea County New Mexico

Client Sample ID: SW-57 (3.0')

Date Collected: 06/08/26 12:52
Date Received: 06/09/26 17:08

Lab Sample ID: 880-73417-2

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/10/26 20:19	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			06/10/26 06:35	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		06/09/26 18:06	06/10/26 06:35	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/09/26 18:06	06/10/26 06:35	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/09/26 18:06	06/10/26 06:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*108*		*70 - 130*	*06/09/26 18:06*	*06/10/26 06:35*	*1*
o-Terphenyl (Surr)	*90*		*70 - 130*	*06/09/26 18:06*	*06/10/26 06:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			06/10/26 16:08	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73417-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-73417-1	SW-56 (3.0')	115	97
880-73417-2	SW-57 (3.0')	115	95
890-10060-A-11-E MS	Matrix Spike	106	100
890-10060-A-11-F MSD	Matrix Spike Duplicate	102	101
LCS 880-143104/1-A	Lab Control Sample	86	86
LCSD 880-143104/2-A	Lab Control Sample Dup	82	87
MB 880-143104/5-A	Method Blank	100	87

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)
880-73416-A-1-B MS	Matrix Spike	105	98
880-73416-A-1-C MSD	Matrix Spike Duplicate	101	103
880-73417-1	SW-56 (3.0')	112	93
880-73417-2	SW-57 (3.0')	108	90
LCS 880-143052/2-A	Lab Control Sample	82	75
LCSD 880-143052/3-A	Lab Control Sample Dup	83	81
MB 880-143052/1-A	Method Blank	100	86

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73417-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-143104/5-A
Matrix: Solid
Analysis Batch: 143071

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 143104

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:32	06/10/26 12:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:32	06/10/26 12:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:32	06/10/26 12:30	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		06/10/26 10:32	06/10/26 12:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/26 10:32	06/10/26 12:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/10/26 10:32	06/10/26 12:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*06/10/26 10:32*	*06/10/26 12:30*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*06/10/26 10:32*	*06/10/26 12:30*	*1*

Lab Sample ID: LCS 880-143104/1-A
Matrix: Solid
Analysis Batch: 143071

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 143104

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08222		mg/Kg		82	70 - 130		
Toluene			0.100	0.07922		mg/Kg		79	70 - 130		
Ethylbenzene			0.100	0.08199		mg/Kg		82	70 - 130		
m,p-Xylenes			0.200	0.1447		mg/Kg		72	70 - 130		
o-Xylene			0.100	0.07187		mg/Kg		72	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*

Lab Sample ID: LCSD 880-143104/2-A
Matrix: Solid
Analysis Batch: 143071

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 143104

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09639		mg/Kg		96	70 - 130	16	35
Toluene			0.100	0.09511		mg/Kg		95	70 - 130	18	35
Ethylbenzene			0.100	0.09646		mg/Kg		96	70 - 130	16	35
m,p-Xylenes			0.200	0.1683		mg/Kg		84	70 - 130	15	35
o-Xylene			0.100	0.08722		mg/Kg		87	70 - 130	19	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: 890-10060-A-11-E MS
Matrix: Solid
Analysis Batch: 143071

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 143104

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.09875		mg/Kg		99	70 - 130		
Toluene	<0.00200	U	0.100	0.1001		mg/Kg		100	70 - 130		

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73417-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-10060-A-11-E MS | **Client Sample ID: Matrix Spike**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 143071 | **Prep Batch: 143104**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09184		mg/Kg		92	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.2282		mg/Kg		114	70 - 130
o-Xylene	<0.00200	U	0.100	0.1192		mg/Kg		119	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-10060-A-11-F MSD | **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 143071 | **Prep Batch: 143104**

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	0.09937		mg/Kg		99	70 - 130	1	35
Toluene	<0.00200	U	0.100	0.09841		mg/Kg		98	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.08698		mg/Kg		87	70 - 130	5	35
m,p-Xylenes	<0.00399	U	0.200	0.1695		mg/Kg		85	70 - 130	30	35
o-Xylene	<0.00200	U	0.100	0.08916		mg/Kg		89	70 - 130	29	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-143052/1-A | **Client Sample ID: Method Blank**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 142943 | **Prep Batch: 143052**

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		06/09/26 18:06	06/10/26 00:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/26 18:06	06/10/26 00:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/26 18:06	06/10/26 00:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*100*		*70 - 130*	*06/09/26 18:06*	*06/10/26 00:59*	*1*
o-Terphenyl (Surr)	*86*		*70 - 130*	*06/09/26 18:06*	*06/10/26 00:59*	*1*

Lab Sample ID: LCS 880-143052/2-A | **Client Sample ID: Lab Control Sample**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 142943 | **Prep Batch: 143052**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	951.1		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	848.7		mg/Kg		85	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73417-1
SDG: Lea County New Mexico

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-143052/2-A
Matrix: Solid
Analysis Batch: 142943

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 143052

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	82		70 - 130
o-Terphenyl (Surr)	75		70 - 130

Lab Sample ID: LCSD 880-143052/3-A
Matrix: Solid
Analysis Batch: 142943

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 143052

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	920.3		mg/Kg		92	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	874.9		mg/Kg		87	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	83		70 - 130
o-Terphenyl (Surr)	81		70 - 130

Lab Sample ID: 880-73416-A-1-B MS
Matrix: Solid
Analysis Batch: 142943

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 143052

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	999	1084		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	958.0		mg/Kg		96	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	105		70 - 130
o-Terphenyl (Surr)	98		70 - 130

Lab Sample ID: 880-73416-A-1-C MSD
Matrix: Solid
Analysis Batch: 142943

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 143052

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	999	983.6		mg/Kg		96	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	953.9		mg/Kg		95	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	101		70 - 130
o-Terphenyl (Surr)	103		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73417-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-143053/1-A
Matrix: Solid
Analysis Batch: 143098

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			06/10/26 11:20	1

Lab Sample ID: LCS 880-143053/2-A
Matrix: Solid
Analysis Batch: 143098

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	240.5		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-143053/3-A
Matrix: Solid
Analysis Batch: 143098

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	240.5		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-73417-1 MS
Matrix: Solid
Analysis Batch: 143098

Client Sample ID: SW-56 (3.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	18.5		249	273.9		mg/Kg		103	90 - 110		

Lab Sample ID: 880-73417-1 MSD
Matrix: Solid
Analysis Batch: 143098

Client Sample ID: SW-56 (3.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	18.5		249	274.2		mg/Kg		103	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73417-1
SDG: Lea County New Mexico

GC VOA

Analysis Batch: 143071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73417-1	SW-56 (3.0')	Total/NA	Solid	8021B	143104
880-73417-2	SW-57 (3.0')	Total/NA	Solid	8021B	143104
MB 880-143104/5-A	Method Blank	Total/NA	Solid	8021B	143104
LCS 880-143104/1-A	Lab Control Sample	Total/NA	Solid	8021B	143104
LCSD 880-143104/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	143104
890-10060-A-11-E MS	Matrix Spike	Total/NA	Solid	8021B	143104
890-10060-A-11-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	143104

Prep Batch: 143104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73417-1	SW-56 (3.0')	Total/NA	Solid	5035	
880-73417-2	SW-57 (3.0')	Total/NA	Solid	5035	
MB 880-143104/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-143104/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-143104/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-10060-A-11-E MS	Matrix Spike	Total/NA	Solid	5035	
890-10060-A-11-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 143233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73417-1	SW-56 (3.0')	Total/NA	Solid	Total BTEX	
880-73417-2	SW-57 (3.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 142943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73417-1	SW-56 (3.0')	Total/NA	Solid	8015B NM	143052
880-73417-2	SW-57 (3.0')	Total/NA	Solid	8015B NM	143052
MB 880-143052/1-A	Method Blank	Total/NA	Solid	8015B NM	143052
LCS 880-143052/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	143052
LCSD 880-143052/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	143052
880-73416-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	143052
880-73416-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	143052

Prep Batch: 143052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73417-1	SW-56 (3.0')	Total/NA	Solid	8015NM Prep	
880-73417-2	SW-57 (3.0')	Total/NA	Solid	8015NM Prep	
MB 880-143052/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-143052/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-143052/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-73416-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-73416-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 143077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73417-1	SW-56 (3.0')	Total/NA	Solid	8015 NM	
880-73417-2	SW-57 (3.0')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73417-1
SDG: Lea County New Mexico

HPLC/IC

Leach Batch: 143053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73417-1	SW-56 (3.0')	Soluble	Solid	DI Leach	
880-73417-2	SW-57 (3.0')	Soluble	Solid	DI Leach	
MB 880-143053/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-143053/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-143053/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-73417-1 MS	SW-56 (3.0')	Soluble	Solid	DI Leach	
880-73417-1 MSD	SW-56 (3.0')	Soluble	Solid	DI Leach	

Analysis Batch: 143098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73417-1	SW-56 (3.0')	Soluble	Solid	300.0	143053
880-73417-2	SW-57 (3.0')	Soluble	Solid	300.0	143053
MB 880-143053/1-A	Method Blank	Soluble	Solid	300.0	143053
LCS 880-143053/2-A	Lab Control Sample	Soluble	Solid	300.0	143053
LCSD 880-143053/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	143053
880-73417-1 MS	SW-56 (3.0')	Soluble	Solid	300.0	143053
880-73417-1 MSD	SW-56 (3.0')	Soluble	Solid	300.0	143053

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73417-1
SDG: Lea County New Mexico

Client Sample ID: SW-56 (3.0')

Lab Sample ID: 880-73417-1

Date Collected: 06/08/26 12:48
Matrix: Solid
Date Received: 06/09/26 17:08

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	143104	06/10/26 10:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	143071	06/10/26 19:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			143233	06/10/26 19:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			143077	06/10/26 06:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	143052	06/09/26 18:06	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142943	06/10/26 06:21	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	143053	06/09/26 18:10	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143098	06/10/26 15:28	CS	EET MID

Client Sample ID: SW-57 (3.0')

Lab Sample ID: 880-73417-2

Date Collected: 06/08/26 12:52
Matrix: Solid
Date Received: 06/09/26 17:08

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	143104	06/10/26 10:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	143071	06/10/26 20:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			143233	06/10/26 20:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			143077	06/10/26 06:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10.00 mL	143052	06/09/26 18:06	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142943	06/10/26 06:35	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	143053	06/09/26 18:10	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	143098	06/10/26 16:08	CS	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-73417-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. 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: Matador Gavalon (03.13.2026)

Job ID: 880-73417-1
SDG: Lea County New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73417-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-73417-1	SW-56 (3.0')	Solid	06/08/26 12:48	06/09/26 17:08	New Mexico
880-73417-2	SW-57 (3.0')	Solid	06/08/26 12:52	06/09/26 17:08	New Mexico

Page 910 of 957

Chain of Custody

880-73417 Chain of Custody

6/11/2026

Page 1 of 1

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	☐ Routine ☑ Rush
Project Number:	3202	Due Date:	24 hr
Project Location	Lea County, New Mexico		
Sampler's Name:	JM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	6.4
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Proa. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
SW-56 (3.0')	6/8/2026	12:48	X		Comp	1		X	X	X		
SW-57 (3.0')	6/8/2026	12:52	X		Comp	1		X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
		Erin Ayl	6.9.26 1708

Page 19 of 20

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-73417-1
SDG Number: Lea County New Mexico

Login Number: 73417
List Number: 1
Creator: Dyal, Erica

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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 5/15/2026 3:23:20 PM

JOB DESCRIPTION

Matador Galavan (03.13.2026)
Lea County New Mexico

JOB NUMBER

880-72289-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 6/23/2026 8:46:47 AM

my EOL

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
5/15/2026 3:23:20 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Carmona Resources
Project/Site: Matador Galavan (03.13.2026)

Laboratory Job ID: 880-72289-1
SDG: Lea County New Mexico

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 7
QC Sample Results 8
QC Association Summary 12
Lab Chronicle 14
Certification Summary 15
Method Summary 16
Sample Summary 17
Chain of Custody 18
Receipt Checklists 19

Definitions/Glossary

Client: Carmona Resources
Project/Site: Matador Galavan (03.13.2026)

Job ID: 880-72289-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Carmona Resources
Project: Matador Galavan (03.13.2026)

Job ID: 880-72289-1

Job ID: 880-72289-1 Eurofins Midland

Job Narrative
880-72289-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The sample was received on 5/13/2026 3:00 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.3°C.

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-140777 and analytical batch 880-140783 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.

Diesel Range Organics
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Galavan (03.13.2026)

Job ID: 880-72289-1
SDG: Lea County New Mexico

Client Sample ID: Backfill Sample

Date Collected: 05/13/26 11:57
Date Received: 05/13/26 15:00

Lab Sample ID: 880-72289-1

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		05/14/26 08:13	05/14/26 14:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 14:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 14:35	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/14/26 08:13	05/14/26 14:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 14:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 08:13	05/14/26 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*05/14/26 08:13*	*05/14/26 14:35*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/14/26 08:13*	*05/14/26 14:35*	*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			05/14/26 14:35	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/15/26 10:56	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	<50.1	U	50.1		mg/Kg		05/14/26 11:15	05/15/26 10:56	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/14/26 11:15	05/15/26 10:56	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/14/26 11:15	05/15/26 10:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*90*		*70 - 130*	*05/14/26 11:15*	*05/15/26 10:56*	*1*
o-Terphenyl (Surr)	*89*		*70 - 130*	*05/14/26 11:15*	*05/15/26 10:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/14/26 14:33	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Matador Galavan (03.13.2026)

Job ID: 880-72289-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-72289-1	Backfill Sample	95	102
890-9920-A-8-C MS	Matrix Spike	95	99
890-9920-A-8-D MSD	Matrix Spike Duplicate	98	97
LCS 880-140777/1-A	Lab Control Sample	97	99
LCSD 880-140777/2-A	Lab Control Sample Dup	95	98
MB 880-140777/5-A	Method Blank	90	93

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-72284-A-11-C MS	Matrix Spike	98	88
880-72284-A-11-D MSD	Matrix Spike Duplicate	98	89
880-72289-1	Backfill Sample	90	89
LCS 880-140813/2-A	Lab Control Sample	102	90
LCSD 880-140813/3-A	Lab Control Sample Dup	101	95
MB 880-140813/1-A	Method Blank	82	86

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Galavan (03.13.2026)

Job ID: 880-72289-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-140777/5-A
Matrix: Solid
Analysis Batch: 140783

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140777

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 11:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 11:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 11:32	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/14/26 08:13	05/14/26 11:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 11:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 08:13	05/14/26 11:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*05/14/26 08:13*	*05/14/26 11:32*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/14/26 08:13*	*05/14/26 11:32*	*1*

Lab Sample ID: LCS 880-140777/1-A
Matrix: Solid
Analysis Batch: 140783

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140777

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08701		mg/Kg		87	70 - 130		
Toluene			0.100	0.09212		mg/Kg		92	70 - 130		
Ethylbenzene			0.100	0.09091		mg/Kg		91	70 - 130		
m,p-Xylenes			0.200	0.1857		mg/Kg		93	70 - 130		
o-Xylene			0.100	0.09399		mg/Kg		94	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-140777/2-A
Matrix: Solid
Analysis Batch: 140783

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 140777

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08792		mg/Kg		88	70 - 130	1	35
Toluene			0.100	0.09336		mg/Kg		93	70 - 130	1	35
Ethylbenzene			0.100	0.09199		mg/Kg		92	70 - 130	1	35
m,p-Xylenes			0.200	0.1889		mg/Kg		94	70 - 130	2	35
o-Xylene			0.100	0.09556		mg/Kg		96	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 890-9920-A-8-C MS
Matrix: Solid
Analysis Batch: 140783

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 140777

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U F1	0.100	0.07240		mg/Kg		72	70 - 130		
Toluene	<0.00200	U F1	0.100	0.06913	F1	mg/Kg		69	70 - 130		

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Galavan (03.13.2026)

Job ID: 880-72289-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-9920-A-8-C MS
Matrix: Solid
Analysis Batch: 140783

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 140777

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F1	0.100	0.05997	F1	mg/Kg		60	70 - 130
m,p-Xylenes	<0.00399	U F1	0.200	0.1203	F1	mg/Kg		60	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.06105	F1	mg/Kg		61	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 890-9920-A-8-D MSD
Matrix: Solid
Analysis Batch: 140783

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 140777

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	0.06940	F1	mg/Kg		69	70 - 130	4	35
Toluene	<0.00200	U F1	0.100	0.06492	F1	mg/Kg		65	70 - 130	6	35
Ethylbenzene	<0.00200	U F1	0.100	0.05457	F1	mg/Kg		55	70 - 130	9	35
m,p-Xylenes	<0.00399	U F1	0.200	0.1097	F1	mg/Kg		55	70 - 130	9	35
o-Xylene	<0.00200	U F1	0.100	0.05560	F1	mg/Kg		56	70 - 130	9	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-140813/1-A
Matrix: Solid
Analysis Batch: 140946

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140813

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		05/14/26 11:15	05/15/26 08:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/26 11:15	05/15/26 08:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/26 11:15	05/15/26 08:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*82*		*70 - 130*	*05/14/26 11:15*	*05/15/26 08:34*	*1*
o-Terphenyl (Surr)	*86*		*70 - 130*	*05/14/26 11:15*	*05/15/26 08:34*	*1*

Lab Sample ID: LCS 880-140813/2-A
Matrix: Solid
Analysis Batch: 140946

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140813

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1015		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	975.4		mg/Kg		98	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Galavan (03.13.2026)

Job ID: 880-72289-1
SDG: Lea County New Mexico

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-140813/2-A
Matrix: Solid
Analysis Batch: 140946

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140813

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	102		70 - 130
o-Terphenyl (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-140813/3-A
Matrix: Solid
Analysis Batch: 140946

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 140813

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1017		mg/Kg		102	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	939.8		mg/Kg		94	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	101		70 - 130
o-Terphenyl (Surr)	95		70 - 130

Lab Sample ID: 880-72284-A-11-C MS
Matrix: Solid
Analysis Batch: 140946

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 140813

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	1000	914.1		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	830.6		mg/Kg		83	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	98		70 - 130
o-Terphenyl (Surr)	88		70 - 130

Lab Sample ID: 880-72284-A-11-D MSD
Matrix: Solid
Analysis Batch: 140946

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 140813

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	1000	940.0		mg/Kg		94	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	848.6		mg/Kg		85	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	98		70 - 130
o-Terphenyl (Surr)	89		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Galavan (03.13.2026)

Job ID: 880-72289-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-140782/1-A
Matrix: Solid
Analysis Batch: 140801

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			05/14/26 11:43	1

Lab Sample ID: LCS 880-140782/2-A
Matrix: Solid
Analysis Batch: 140801

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	233.8		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-140782/3-A
Matrix: Solid
Analysis Batch: 140801

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	237.4		mg/Kg		95	90 - 110	2	20

Lab Sample ID: 880-72284-A-3-C MS
Matrix: Solid
Analysis Batch: 140801

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<10.0	U	251	247.8		mg/Kg		96	90 - 110		

Lab Sample ID: 880-72284-A-3-D MSD
Matrix: Solid
Analysis Batch: 140801

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<10.0	U	251	254.3		mg/Kg		99	90 - 110	3	20

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Galavan (03.13.2026)

Job ID: 880-72289-1
SDG: Lea County New Mexico

GC VOA

Prep Batch: 140777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72289-1	Backfill Sample	Total/NA	Solid	5035	
MB 880-140777/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-140777/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-140777/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9920-A-8-C MS	Matrix Spike	Total/NA	Solid	5035	
890-9920-A-8-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 140783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72289-1	Backfill Sample	Total/NA	Solid	8021B	140777
MB 880-140777/5-A	Method Blank	Total/NA	Solid	8021B	140777
LCS 880-140777/1-A	Lab Control Sample	Total/NA	Solid	8021B	140777
LCSD 880-140777/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	140777
890-9920-A-8-C MS	Matrix Spike	Total/NA	Solid	8021B	140777
890-9920-A-8-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	140777

Analysis Batch: 140883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72289-1	Backfill Sample	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 140813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72289-1	Backfill Sample	Total/NA	Solid	8015NM Prep	
MB 880-140813/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-140813/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-140813/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-72284-A-11-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-72284-A-11-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 140946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72289-1	Backfill Sample	Total/NA	Solid	8015B NM	140813
MB 880-140813/1-A	Method Blank	Total/NA	Solid	8015B NM	140813
LCS 880-140813/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	140813
LCSD 880-140813/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	140813
880-72284-A-11-C MS	Matrix Spike	Total/NA	Solid	8015B NM	140813
880-72284-A-11-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	140813

Analysis Batch: 140984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72289-1	Backfill Sample	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 140782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72289-1	Backfill Sample	Soluble	Solid	DI Leach	
MB 880-140782/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-140782/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-140782/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Galavan (03.13.2026)

Job ID: 880-72289-1
SDG: Lea County New Mexico

HPLC/IC (Continued)

Leach Batch: 140782 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72284-A-3-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-72284-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 140801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-72289-1	Backfill Sample	Soluble	Solid	300.0	140782
MB 880-140782/1-A	Method Blank	Soluble	Solid	300.0	140782
LCS 880-140782/2-A	Lab Control Sample	Soluble	Solid	300.0	140782
LCSD 880-140782/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	140782
880-72284-A-3-C MS	Matrix Spike	Soluble	Solid	300.0	140782
880-72284-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	140782

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Galavan (03.13.2026)

Job ID: 880-72289-1
SDG: Lea County New Mexico

Client Sample ID: Backfill Sample

Date Collected: 05/13/26 11:57
Date Received: 05/13/26 15:00

Lab Sample ID: 880-72289-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	140777	05/14/26 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140783	05/14/26 14:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140883	05/14/26 14:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			140984	05/15/26 10:56	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	140813	05/14/26 11:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140946	05/15/26 10:56	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	140782	05/14/26 08:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140801	05/14/26 14:33	SMC	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-72289-1
Project/Site: Matador Galavan (03.13.2026)
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. 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: Matador Galavan (03.13.2026)

Job ID: 880-72289-1
SDG: Lea County New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Carmona Resources
Project/Site: Matador Galavan (03.13.2026)

Job ID: 880-72289-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-72289-1	Backfill Sample	Solid	05/13/26 11:57	05/13/26 15:00	New Mexico

Page 929 of 957

Chain of Custody

880-72289 Chain of Custody

880-72289 COC

5/15/2026

Page 1 of 1

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	72 HR
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.2
Total Containers:		Corrected Temperature:	3.3

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
Backfill Sample	5/13/2026	11:57	X		Comp	1		X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5.13.26 1500		5.13.26 1500

Page 18 of 19

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-72289-1
SDG Number: Lea County New Mexico

Login Number: 72289
List Number: 1
Creator: Neeld, Linsey

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.	True	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 6/3/2026 4:27:52 PM

JOB DESCRIPTION

Matador Gavalon (03.13.2026)
Lea County New Mexico

JOB NUMBER

880-73069-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 6/23/2026 8:46:47 AM

my EOL

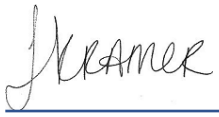
Eurofins Midland

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
6/3/2026 4:27:52 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Laboratory Job ID: 880-73069-1
SDG: Lea County New Mexico

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 7
QC Sample Results 8
QC Association Summary 12
Lab Chronicle 14
Certification Summary 15
Method Summary 16
Sample Summary 17
Chain of Custody 18
Receipt Checklists 19

Definitions/Glossary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73069-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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: Matador Gavalon (03.13.2026)

Job ID: 880-73069-1

Job ID: 880-73069-1 Eurofins Midland

Job Narrative
880-73069-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The sample was received on 6/2/2026 4:16 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.7°C.

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: Backfill Caliche (880-73069-1).

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 8015B NM: Surrogate recovery for the following sample was outside control limits: Backfill Caliche (880-73069-1). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73069-1
SDG: Lea County New Mexico

Client Sample ID: Backfill Caliche

Date Collected: 06/02/26 03:15
Date Received: 06/02/26 16:16

Lab Sample ID: 880-73069-1

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/03/26 09:25	06/03/26 14:32	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/03/26 09:25	06/03/26 14:32	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/03/26 09:25	06/03/26 14:32	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		06/03/26 09:25	06/03/26 14:32	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/03/26 09:25	06/03/26 14:32	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/03/26 09:25	06/03/26 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*06/03/26 09:25*	*06/03/26 14:32*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/03/26 09:25*	*06/03/26 14:32*	*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			06/03/26 14:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/03/26 13:22	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		05/29/26 15:49	06/03/26 13:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/29/26 15:49	06/03/26 13:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/29/26 15:49	06/03/26 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*24*	*S1-*	*70 - 130*	*05/29/26 15:49*	*06/03/26 13:22*	*1*
o-Terphenyl (Surr)	*17*	*S1-*	*70 - 130*	*05/29/26 15:49*	*06/03/26 13:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.9**		10.0		mg/Kg			06/03/26 10:21	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73069-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-73033-A-1-E MS	Matrix Spike	102	100
880-73033-A-1-F MSD	Matrix Spike Duplicate	96	102
880-73069-1	Backfill Caliche	101	97
LCS 880-142486/1-A	Lab Control Sample	92	103
LCSD 880-142486/2-A	Lab Control Sample Dup	103	103
MB 880-142486/5-A	Method Blank	97	91

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-72890-A-131-B MS	Matrix Spike	107	110
880-72890-A-131-C MSD	Matrix Spike Duplicate	110	106
880-73069-1	Backfill Caliche	24 S1-	17 S1-
LCS 880-142086/2-A	Lab Control Sample	85	78
LCSD 880-142086/3-A	Lab Control Sample Dup	89	83
MB 880-142086/1-A	Method Blank	112	102

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73069-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-142486/5-A
Matrix: Solid
Analysis Batch: 142463

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 142486

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/03/26 09:25	06/03/26 11:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/03/26 09:25	06/03/26 11:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/03/26 09:25	06/03/26 11:06	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		06/03/26 09:25	06/03/26 11:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/03/26 09:25	06/03/26 11:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/03/26 09:25	06/03/26 11:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*06/03/26 09:25*	*06/03/26 11:06*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/03/26 09:25*	*06/03/26 11:06*	*1*

Lab Sample ID: LCS 880-142486/1-A
Matrix: Solid
Analysis Batch: 142463

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142486

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09039		mg/Kg		90	70 - 130
Toluene	0.100	0.08886		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.08532		mg/Kg		85	70 - 130
m,p-Xylenes	0.200	0.1758		mg/Kg		88	70 - 130
o-Xylene	0.100	0.09063		mg/Kg		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-142486/2-A
Matrix: Solid
Analysis Batch: 142463

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142486

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08919		mg/Kg		89	70 - 130	1	35
Toluene	0.100	0.08813		mg/Kg		88	70 - 130	1	35
Ethylbenzene	0.100	0.08846		mg/Kg		88	70 - 130	4	35
m,p-Xylenes	0.200	0.1851		mg/Kg		93	70 - 130	5	35
o-Xylene	0.100	0.09599		mg/Kg		96	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-73033-A-1-E MS
Matrix: Solid
Analysis Batch: 142463

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 142486

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08427		mg/Kg		84	70 - 130
Toluene	<0.00200	U	0.100	0.08491		mg/Kg		85	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73069-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-73033-A-1-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 142463 — **Prep Batch: 142486**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08582		mg/Kg		86	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1804		mg/Kg		90	70 - 130
o-Xylene	<0.00200	U	0.100	0.09079		mg/Kg		91	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-73033-A-1-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 142463 — **Prep Batch: 142486**

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	0.08521		mg/Kg		85	70 - 130	1	35
Toluene	<0.00200	U	0.100	0.08312		mg/Kg		83	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.08231		mg/Kg		82	70 - 130	4	35
m,p-Xylenes	<0.00399	U	0.200	0.1705		mg/Kg		85	70 - 130	6	35
o-Xylene	<0.00200	U	0.100	0.08438		mg/Kg		84	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-142086/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 142507 — **Prep Batch: 142086**

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		05/29/26 15:49	06/03/26 08:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/29/26 15:49	06/03/26 08:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/29/26 15:49	06/03/26 08:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*112*		*70 - 130*	*05/29/26 15:49*	*06/03/26 08:51*	*1*
o-Terphenyl (Surr)	*102*		*70 - 130*	*05/29/26 15:49*	*06/03/26 08:51*	*1*

Lab Sample ID: LCS 880-142086/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 142507 — **Prep Batch: 142086**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1073		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	942.2		mg/Kg		94	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73069-1
SDG: Lea County New Mexico

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-142086/2-A
Matrix: Solid
Analysis Batch: 142507

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 142086

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	85		70 - 130
o-Terphenyl (Surr)	78		70 - 130

Lab Sample ID: LCSD 880-142086/3-A
Matrix: Solid
Analysis Batch: 142507

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 142086

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	4	20
Diesel Range Organics (Over C10-C28)			1000	973.7		mg/Kg		97	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	89		70 - 130
o-Terphenyl (Surr)	83		70 - 130

Lab Sample ID: 880-72890-A-131-B MS
Matrix: Solid
Analysis Batch: 142507

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 142086

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	1000	1047		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	<50.2	U	1000	1005		mg/Kg		100	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	107		70 - 130
o-Terphenyl (Surr)	110		70 - 130

Lab Sample ID: 880-72890-A-131-C MSD
Matrix: Solid
Analysis Batch: 142507

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 142086

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	<50.2	U	1000	1104		mg/Kg		108	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.2	U	1000	1022		mg/Kg		102	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	110		70 - 130
o-Terphenyl (Surr)	106		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73069-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-142459/1-A
Matrix: Solid
Analysis Batch: 142469

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			06/03/26 08:31	1

Lab Sample ID: LCS 880-142459/2-A
Matrix: Solid
Analysis Batch: 142469

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	244.1		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-142459/3-A
Matrix: Solid
Analysis Batch: 142469

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	244.3		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-73064-A-1-E MS
Matrix: Solid
Analysis Batch: 142469

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<10.1	U	252	248.7		mg/Kg		99	90 - 110		

Lab Sample ID: 880-73064-A-1-F MSD
Matrix: Solid
Analysis Batch: 142469

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<10.1	U	252	248.9		mg/Kg		99	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73069-1
SDG: Lea County New Mexico

GC VOA

Analysis Batch: 142463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73069-1	Backfill Caliche	Total/NA	Solid	8021B	142486
MB 880-142486/5-A	Method Blank	Total/NA	Solid	8021B	142486
LCS 880-142486/1-A	Lab Control Sample	Total/NA	Solid	8021B	142486
LCSD 880-142486/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	142486
880-73033-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	142486
880-73033-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	142486

Prep Batch: 142486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73069-1	Backfill Caliche	Total/NA	Solid	5035	
MB 880-142486/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-142486/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-142486/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-73033-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-73033-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 142552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73069-1	Backfill Caliche	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 142086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73069-1	Backfill Caliche	Total/NA	Solid	8015NM Prep	
MB 880-142086/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-142086/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-142086/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-72890-A-131-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-72890-A-131-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 142507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73069-1	Backfill Caliche	Total/NA	Solid	8015B NM	142086
MB 880-142086/1-A	Method Blank	Total/NA	Solid	8015B NM	142086
LCS 880-142086/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	142086
LCSD 880-142086/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	142086
880-72890-A-131-B MS	Matrix Spike	Total/NA	Solid	8015B NM	142086
880-72890-A-131-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	142086

Analysis Batch: 142542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73069-1	Backfill Caliche	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 142459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73069-1	Backfill Caliche	Soluble	Solid	DI Leach	
MB 880-142459/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-142459/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-142459/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73069-1
SDG: Lea County New Mexico

HPLC/IC (Continued)

Leach Batch: 142459 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73064-A-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-73064-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 142469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-73069-1	Backfill Caliche	Soluble	Solid	300.0	142459
MB 880-142459/1-A	Method Blank	Soluble	Solid	300.0	142459
LCS 880-142459/2-A	Lab Control Sample	Soluble	Solid	300.0	142459
LCSD 880-142459/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	142459
880-73064-A-1-E MS	Matrix Spike	Soluble	Solid	300.0	142459
880-73064-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	142459

Lab Chronicle

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73069-1
SDG: Lea County New Mexico

Client Sample ID: Backfill Caliche

Date Collected: 06/02/26 03:15
Date Received: 06/02/26 16:16

Lab Sample ID: 880-73069-1

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			5.05 g	5 mL	142486	06/03/26 09:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	142463	06/03/26 14:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			142552	06/03/26 14:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			142542	06/03/26 13:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	142086	05/29/26 15:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	142507	06/03/26 13:22	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	142459	06/02/26 18:50	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	142469	06/03/26 10:21	CS	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-73069-1
Project/Site: Matador Gavalon (03.13.2026)
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. 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: Matador Gavalon (03.13.2026)

Job ID: 880-73069-1
SDG: Lea County New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Carmona Resources
Project/Site: Matador Gavalon (03.13.2026)

Job ID: 880-73069-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-73069-1	Backfill Caliche	Solid	06/02/26 03:15	06/02/26 16:16	New Mexico

Page 948 of 957

Chain of Custody

880-73069 Chain of Custody

880-73069 COC

6/3/2026

Page ___1___ of ___1___

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona
Company Name:	Carmona Resources	Company Name:	Carmona Resources
Address:	310 W Wall St Ste 500	Address:	310 West Wall Street Suite 500
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Matador Gavalon (03.13.2026)	Turn Around	
Project Number:	3202	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	24 hr
Sampler's Name:	JDC		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Received Intact:	Yes No	Thermometer ID:		JRS
Cooler Custody Seals:	Yes No N/A	Correction Factor:		-1
Sample Custody Seals:	Yes No N/A	Temperature Reading:		4.4
Total Containers:		Corrected Temperature:		4.4

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
Backfill Caliche	6/2/2026	3:15	X		Comp	1		X	X	X		

ANALYSIS REQUEST

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	7.2.26 16:16		7.2.26 16:16

Page 18 of 19

Received by OCD: 6/17/2026 9:45:35 AM

Released to Imaging: 6/25/2026 8:46:47 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-73069-1
SDG Number: Lea County New Mexico

Login Number: 73069
List Number: 1
Creator: Juarez, Leticia

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

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 596461
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2607250189**
Incident Name	**NAPP2607250189 MATADOR GAVALIN @ A-33-20S-33E**
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	Matador Gavalin
Date Release Discovered	03/13/2026
Surface Owner	State

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: Other | Unknown | Produced Water | Released: 500 BBL | Recovered: 200 BBL | Lost: 300 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Split in Poly transmission line. 500 bbl released.

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 (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 596461
	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: 06/17/2026

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 (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 596461
	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 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 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	Between 1 and 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	Between 1 and 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	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination 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)	14600
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
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	04/16/2026
On what date will (or did) the final sampling or liner inspection occur	06/08/2026
On what date will (or was) the remediation complete(d)	06/08/2026
What is the estimated surface area (in square feet) that will be reclaimed	20394
What is the estimated volume (in cubic yards) that will be reclaimed	2806
What is the estimated surface area (in square feet) that will be remediated	29088
What is the estimated volume (in cubic yards) that will be remediated	2806
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.	

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 (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 596461
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	fEEM0112342028 LEA LAND LANDFILL
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*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)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Cassie Whitefield Email: cassie.whitefield@deleklogistics.com Date: 06/17/2026
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.	

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 (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 596461
	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

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 (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 596461
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**591278**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**06/08/2026**
What was the (estimated) number of samples that were to be gathered	**30**
What was the sampling surface area in square feet	**5000**

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	29088
What was the total volume (cubic yards) remediated	2806
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	20394
What was the total volume (in cubic yards) reclaimed	2806
Summarize any additional remediation activities not included by answers (above)	The entire area was vertically and horizontally delineated. All areas were remediated and the one spot that wasn't horizontally delineated, was remediated and then further horizontally delineated. All contamination was removed and the areas outside of the well pad were reseeded.

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: 06/17/2026

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 (continued)

Operator:	OGRID:
DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	330291
	Action Number: 596461
	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

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 596461

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 596461
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #nAPP2607250189 Matador Gavalin, thank you. This Remediation Closure Report is approved.	6/25/2026