



SITE INFORMATION

Closure Report
Federal 26A Battery (02.27.25)
Incident # NAPP2505934643
Lea County, New Mexico
Unit N Sec 26 T18S R33E
32.713027°, -103.635797°

Produced Water Release
Point of Release: Tank Overflow
Release Date: 02/27/2025
Volume Released: 61 barrels of Produced Water
Volume Recovered: 15 barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Fasken Oil and Ranch, Ltd.
6101 Holiday Hill Road
Midland, Texas 79707

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



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May 29, 2025

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

Re: Closure Report
Federal 26A Battery (02.27.25)
Fasken Oil and Ranch, Ltd.
Incident # NAPP2505934643
Site Location: Unit N, S26, T18S, R33E
(Lat 32.713027°, Long -103.635797°)
Lea County, New Mexico

To whom it may concern:

On behalf of Fasken Oil and Ranch, Ltd., Carmona Resources, LLC has prepared this letter to document the Federal 26A Battery site activities. The site is located at 32.713027 °, -103.635797 ° within Unit N, S26, T18S, R33E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on February 27, 2025, due to a tank overflow. It resulted in the release of approximately sixty-one (61) barrels of produced water, with fifteen (15) barrels of produced water being recovered. The impacted area remained on the well pad, as shown in Figure 3. The Notification of Release and initial C-141 forms are 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 is no known water sources within a 0.50-mile radius of the location. The nearest identified well is located approximately 1.34 miles North of the site in S23, T18S, R33E and was drilled in 1981. The well has a reported depth of 47.63 feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

On March 25, 2025, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of four (4) trench samples (T-1 through T-4) and eight (8) horizontal samples (H-1 through H-8) were advanced to depths ranging from the surface to 4.0' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper

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chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. Refer to Table 1. See Figure 3 for sample locations.

5.0 Remediation Activities

Carmona Resources personnel were on site to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via web portal on March 2, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C for correspondence. A total of twenty (20) floor confirmation samples were collected (CS-1 through CS-20), and seventeen (17) sidewall samples (SW-1 through SW-17) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figures 4.

All final confirmation samples were below regulatory requirements for TPH, BTEX, and chloride. Refer to Table 2.

Before the excavation was backfilled, a composite sample was collected on March 6, 2025. The backfill material was sourced locally from a nearby pit. Refer to Table 2. Once the remediation activities were completed, the excavated area was backfilled with clean material to surface grade. Approximately 4,187 square feet of contamination was remediated, resulting in approximately 404 cubic yards of material being excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-6823.

Sincerely,

Carmona Resources, LLC

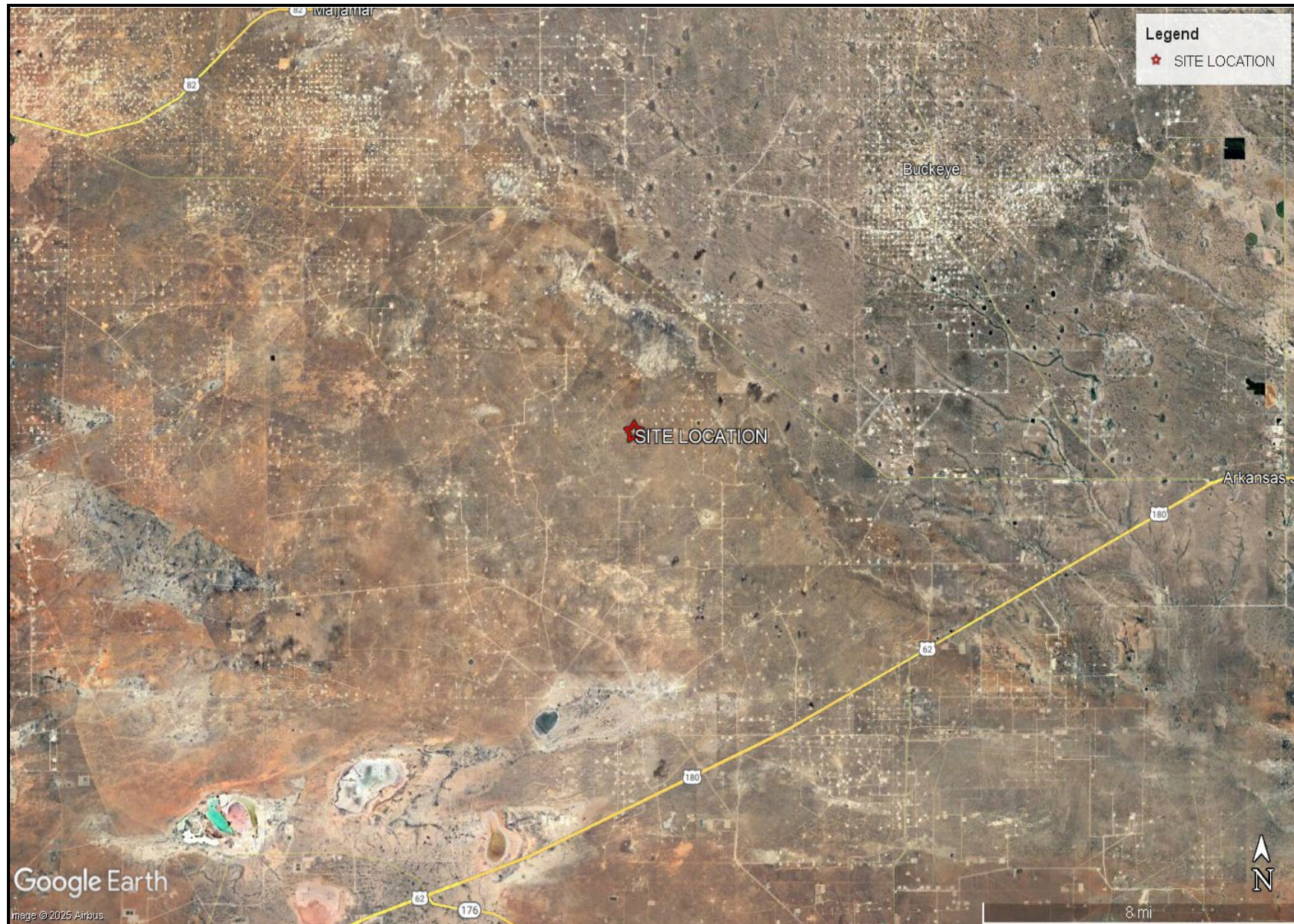
Conner Moehring
Environmental Manager

Stephen Reyes
Environmental Engineer

FIGURES

CARMONA RESOURCES

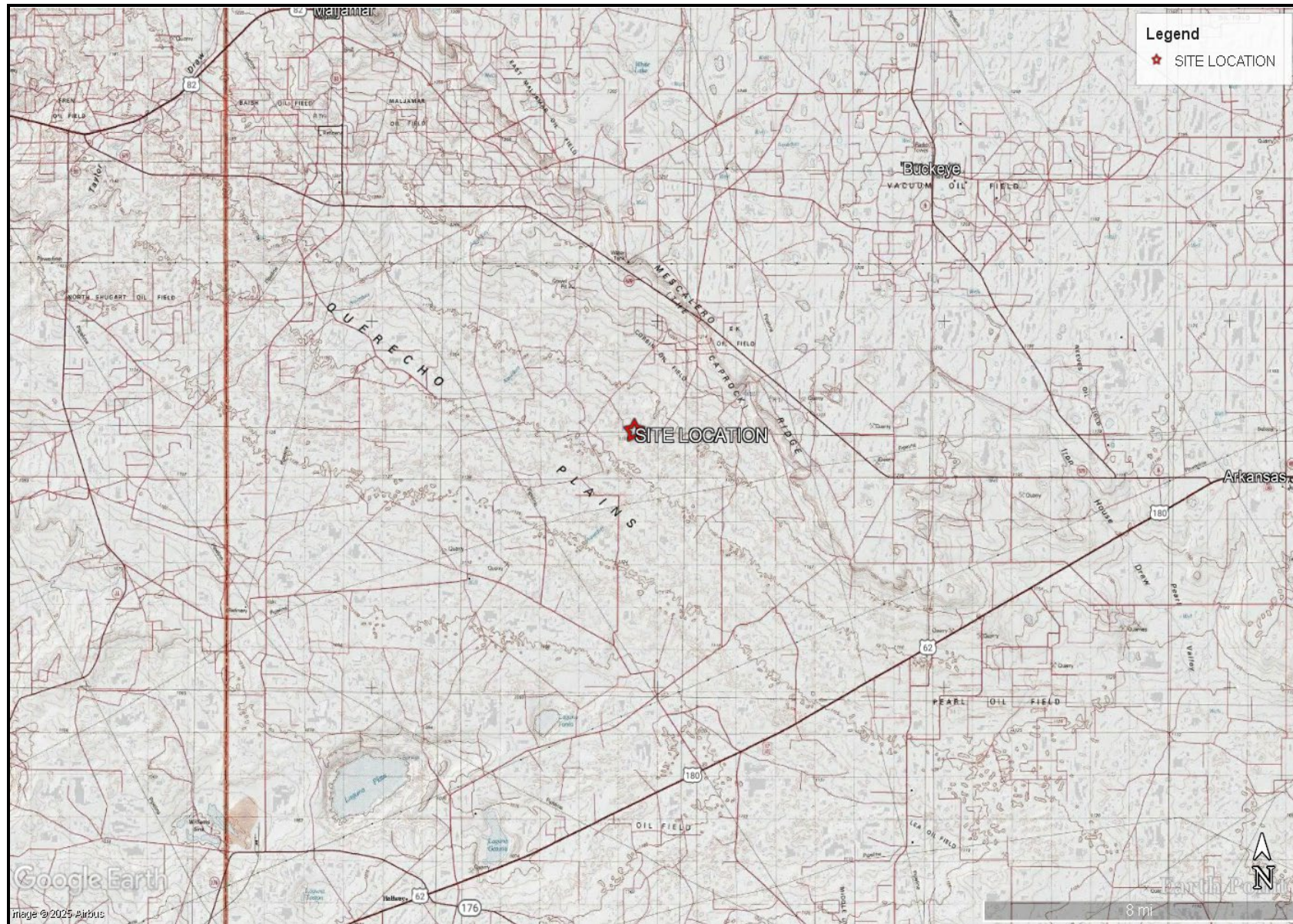




OVERVIEW MAP
 FASKEN OIL AND RANCH, LTD.
 FEDERAL 26A BATTERY (02.27.25)
 LEA COUNTY, NEW MEXICO
 32.713027, -103.635797



FIGURE 1

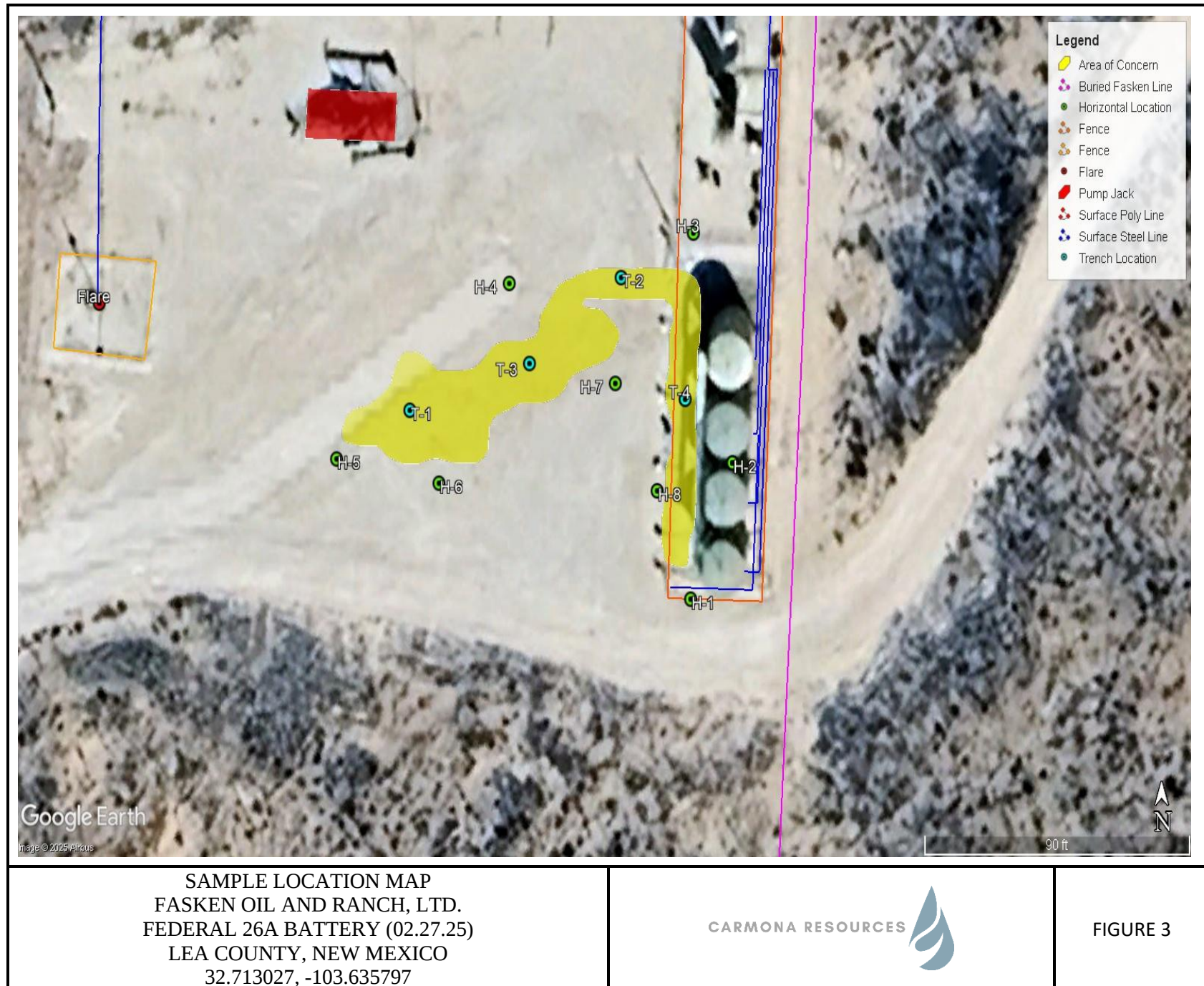


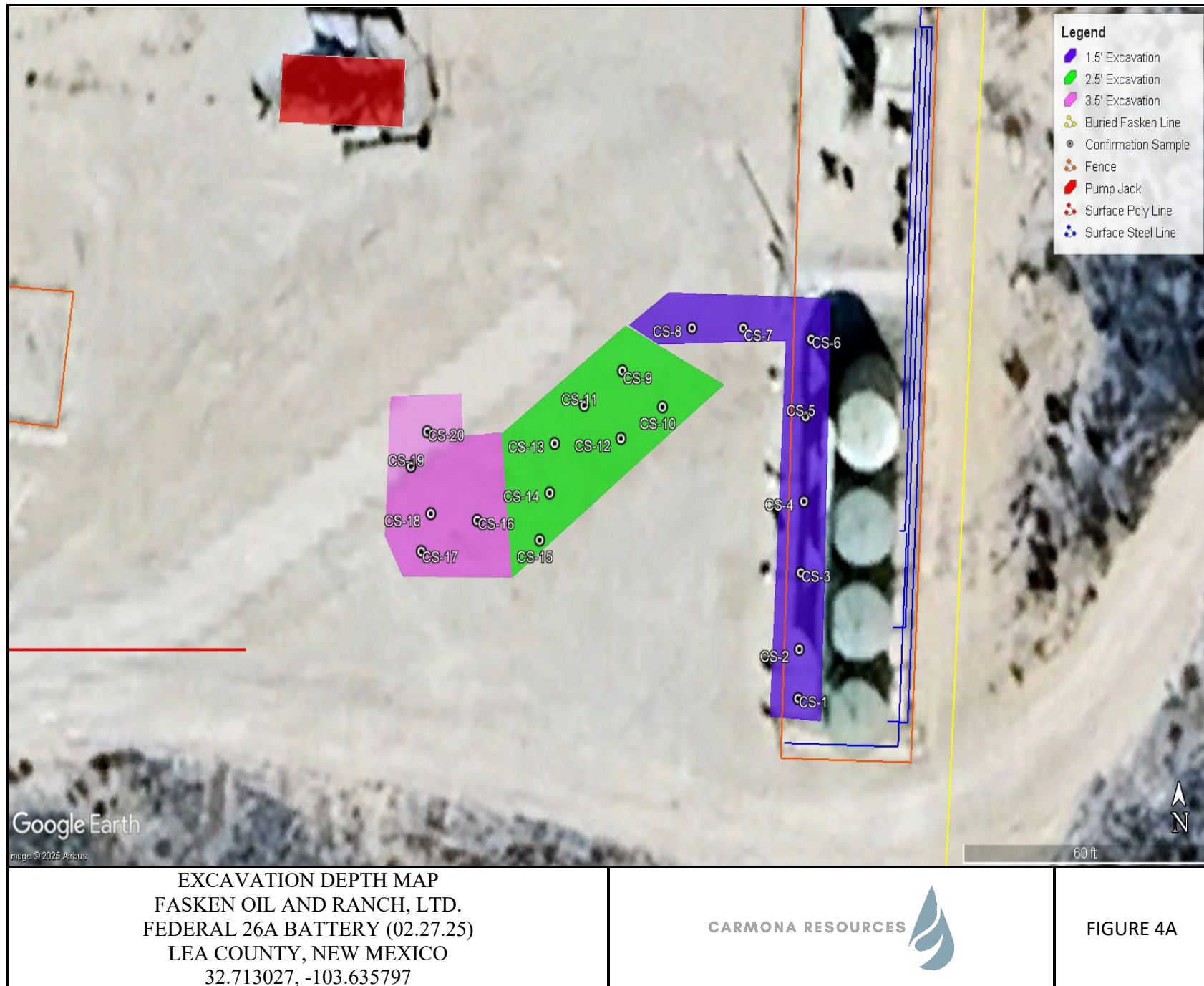
TOPOGRAPHIC MAP
FASKEN OIL AND RANCH, LTD.
FEDERAL 26A BATTERY (02.27.25)
LEA COUNTY, NEW MEXICO
32.713027, -103.635797

CARMONA RESOURCES



FIGURE 2







EXCAVATION DEPTH MAP
FASKEN OIL AND RANCH, LTD.
FEDERAL 26A BATTERY (02.27.25)
LEA COUNTY, NEW MEXICO
32.713027, -103.635797

CARMONA RESOURCES



FIGURE 4B

APPENDIX A

CARMONA RESOURCES



Table 1
Fasken Oil And Ranch
Federal 26A Battery
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	3/25/2025	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	27,100
	"	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	751
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,520
	"	3'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	657
T-2	3/25/2025	0-1'	<49.8	757	<49.9	757	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	23,500
	"	1.5'	<49.9	<49.9	<49.9	<49.9	0.00258	<0.00200	<0.00200	<0.00399	<0.00399	323
	"	2'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	161
T-3	3/25/2025	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	42,100
	"	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	788
	"	2'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	627
	"	2.5'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	182
T-4	3/25/2025	0-1'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	13,400
	"	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	178
	"	2'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	266
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	228
	"	4'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	176
H-1	3/25/2025	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	259
H-2	3/25/2025	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	190
H-3	3/25/2025	0-0.5'	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	164
H-4	3/25/2025	0-0.5'	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	198
H-5	3/25/2025	0-0.5'	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	182
H-6	3/25/2025	0-0.5'	<50.4	<50.4	<50.4	<50.4	0.00293	<0.00200	<0.00200	<0.00399	<0.00399	171
H-7	3/25/2025	0-0.5'	<50.5	<50.5	<50.5	<50.5	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	173
H-8	3/25/2025	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	210
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

(H) Horizontal Point

Removed

Table 2
Fasken Oil and Ranch
Federal 26A Battery Spill (02.27.25)
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	5/6/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	118
CS-2	5/6/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	84.1
CS-3	5/6/2025	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	97.6
CS-4	5/6/2025	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	98.3
CS-5	5/6/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	152
CS-6	5/6/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	123
CS-7	5/6/2025	2.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	78.8
CS-8	5/6/2025	2.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	81.8
CS-9	5/6/2025	2.5'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	105
CS-10	5/6/2025	2.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	95.1
CS-11	5/6/2025	2.5'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	95.8
CS-12	5/6/2025	2.5'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	98.0
CS-13	5/6/2025	2.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	76.9
CS-14	5/6/2025	2.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	97.1
CS-15	5/6/2025	2.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	80.5
CS-16	5/6/2025	3.5'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	88.9
CS-17	5/6/2025	3.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	96.8
CS-18	5/6/2025	3.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	107
CS-19	5/6/2025	3.5'	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	90.9
CS-20	5/6/2025	3.5'	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	86.8
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
Fasken Oil and Ranch
Federal 26A Battery Spill (02.27.25)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	5/6/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	118
SW-2	5/6/2025	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	84.1
SW-3	5/6/2025	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	97.6
SW-4	5/6/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	98.3
SW-5	5/6/2025	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	152
SW-6	5/6/2025	1.5'	<49.5	<49.5	<49.5	<49.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	123
SW-7	5/6/2025	2.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	78.8
SW-8	5/6/2025	2.5'	<49.6	<49.6	<49.6	<49.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	81.8
SW-9	5/6/2025	2.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	105
SW-10	5/6/2025	3.5'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	95.1
SW-11	5/6/2025	3.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	95.8
SW-12	5/6/2025	3.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	98.0
SW-13	5/6/2025	3.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	76.9
SW-14	5/6/2025	3.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	97.1
SW-15	5/6/2025	3.5'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	80.5
SW-16	5/6/2025	3.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	88.9
SW-17	5/6/2025	3.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00398	<0.00398	96.8
Backfill Pit	5/6/2025		<50.0	<50.0	<50.0	<50.0	0.00481	<0.00201	<0.00201	<0.00402	0.00481	101
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) Side Wall

APPENDIX B

CARMONA RESOURCES

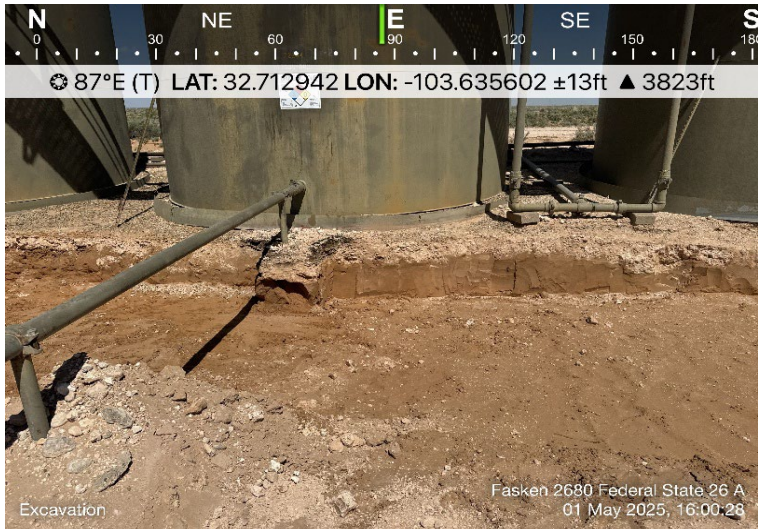


PHOTOGRAPHIC LOG**Faken Oil and Ranch****Photograph No. 1****Facility:** Federal 26A Battery (02.27.25)**County:** Lea County, New Mexico**Description:**

View East, area of CS-1 and CS-2

**Photograph No. 2****Facility:** Federal 26A Battery (02.27.25)**County:** Lea County, New Mexico**Description:**

View East, area of CS-3 and CS-4

**Photograph No. 3****Facility:** Federal 26A Battery (02.27.25)**County:** Lea County, New Mexico**Description:**

View East, area of CS-5 and CS-6



PHOTOGRAPHIC LOG

Faken Oil and Ranch

Photograph No. 4

Facility: Federal 26A Battery (02.27.25)

County: Lea County, New Mexico

Description:

View Northwest, area of CS-7 and CS-8

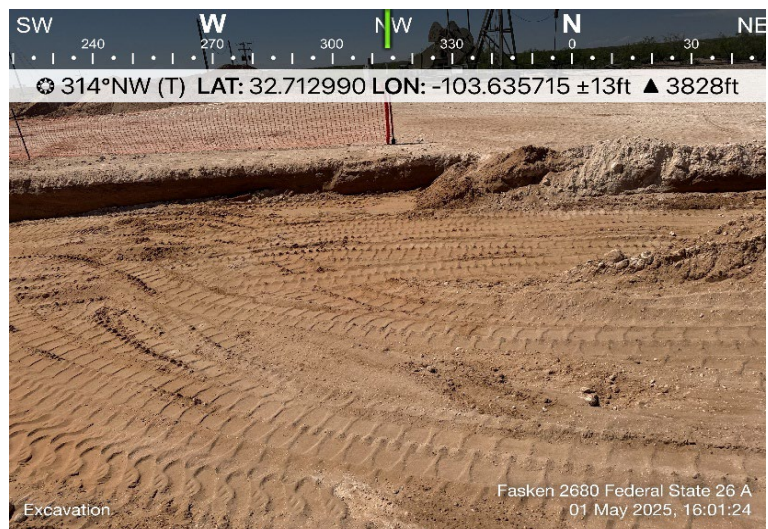
**Photograph No. 5**

Facility: Federal 26A Battery (02.27.25)

County: Lea County, New Mexico

Description:

View Northwest, area of CS-9 and CS-10

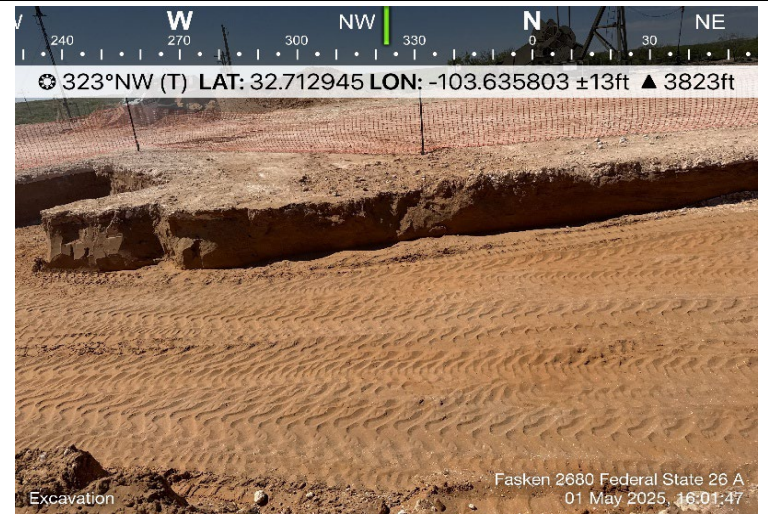
**Photograph No. 6**

Facility: Federal 26A Battery (02.27.25)

County: Lea County, New Mexico

Description:

View Northwest, area of CS-11 through CS-13



PHOTOGRAPHIC LOG**Faken Oil and Ranch****Photograph No. 7****Facility:** Federal 26A Battery (02.27.25)**County:** Lea County, New Mexico**Description:**

View Northwest, area of CS-14 and CS-15

**Photograph No. 8****Facility:** Federal 26A Battery (02.27.25)**County:** Lea County, New Mexico**Description:**

View Northwest, area of CS-16 through CS-20

**Photograph No. 9****Facility:** Federal 26A Battery (02.27.25)**County:** Lea County, New Mexico**Description:**

View South of backfilled area



PHOTOGRAPHIC LOG

Faken Oil and Ranch

Photograph No. 10

Facility: Federal 26A Battery (02.27.25)

County: Lea County, New Mexico

Description:

View South of backfilled area



Photograph No. 11

Facility: Federal 26A Battery (02.27.25)

County: Lea County, New Mexico

Description:

View Southeast of backfilled area



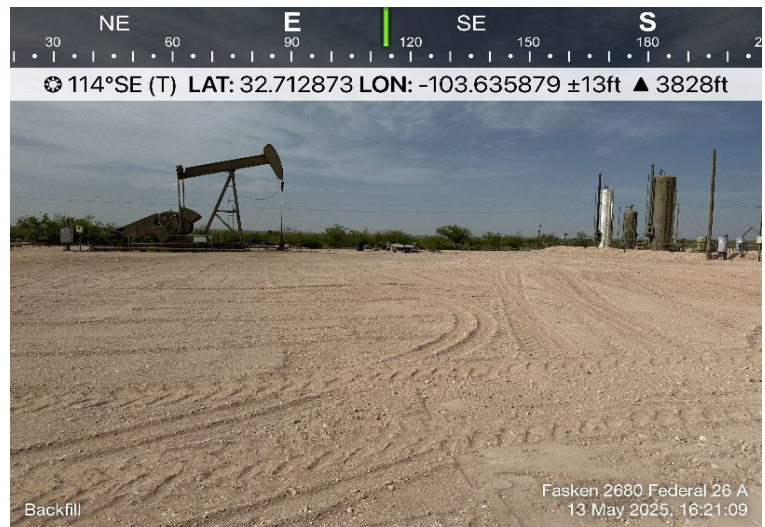
Photograph No. 12

Facility: Federal 26A Battery (02.27.25)

County: Lea County, New Mexico

Description:

View East of backfilled area



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 437445

QUESTIONS

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 437445
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	Federal 26A Battery
Date Release Discovered	02/27/2025
Surface Owner	Federal

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

Nature and Volume of Release <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Water Tank Produced Water Released: 61 BBL Recovered: 15 BBL Lost: 46 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

General Information
Phone: (505) 629-6116

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State of New Mexico
Energy, Minerals and Natural Resources
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QUESTIONS, Page 2

Action 437445

QUESTIONS (continued)

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 437445
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

Initial Response

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

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

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

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ACKNOWLEDGMENTS

Action 437445

ACKNOWLEDGMENTS

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 437445
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

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CONDITIONS

Action 437445

CONDITIONS

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 437445
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
along	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	2/28/2025

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

Location of spill: Federal 26A Battery

Date of Spill: 27-Feb-2025

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: 0.0 BBL WATER: 0.0 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							Standing Liquid Calculations						
Total Surface Area		width	length	wet soil			Standing Liquid Area		width	length	liquid depth	oil (%)	
				depth	oil (%)								
Rectangle Area #1	66 ft		25 ft	X	3.00 in	0%	Rectangle Area #1	66 ft	X	13 ft	X	4 in	0%
Rectangle Area #2	18 ft	X	4 ft	X	3.00 in	0%	Rectangle Area #2	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #3	0 ft	X	0 ft	X	0.00 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 #4	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #5	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 #6	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #7	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%	Rectangle Area #8	0 ft	X	0 ft	X	0 in	0%

okay

production system leak - DAILY PRODUCTION DATA REQUIRED

Average Daily Production: Oil 0 BBL Water 0 BBL 0 Gas (MCFD)

Total Hydrocarbon Content in gas: 0% (percentage)

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

H2S Content in Produced Gas: 0 PPM

H2S Content in Tank Vapors: 0 PPM

Amount of Free Liquid Recovered: 9 BBL okay

Percentage of Oil in Free Liquid Recovered: 100% (percentage)

Liquid holding factor *: 0.14 gal per gal

Use the following when the spill wets the grains of the soil.

* Sand = 0.08 gallon (gal.) liquid per gal. volume of soil.

* Gravelly (caliche) loam = 0.14 gal. liquid per gal. volume of soil.

* Sandy clay loam soil = 0.14 gal liquid per gal. volume of soil.

* Clay loam = 0.16 gal. liquid per gal. volume of soil.

Use the following when the liquid completely fills the pore space of the soil:

Occurs when the spill soaked soil is contained by barriers, natural (or not).

* Clay loam = 0.20 gal. liquid per gal. volume of soil.

* Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil.

* Sandy loam = 0.5 gal. liquid per gal. volume of soil.

Total Solid/Liquid Volume: 1,722 sq. ft. 431 cu. ft. cu. ft.	Total Free Liquid Volume: 858 sq. ft. 286 cu. ft. cu. ft.
Estimated Volumes Spilled	Estimated Production Volumes Lost
Liquid in Soil: 10.7 BBL H2O 0.0 BBL OIL	Estimated Production Spilled: 0.0 BBL H2O 0.0 BBL OIL
Free Liquid: 50.9 BBL	
Totals: 61.7 BBL 0.0 BBL	
Total Liquid Spill Liquid: 61.7 BBL 0.00 BBL	Estimated Surface Damage
	Surface Area: 1,722 sq. ft.
	Surface Area: .0395 acre
Recovered Volumes	Estimated Weights, and Volumes
Estimated oil recovered: BBL check - okay	Saturated Soil = 48,216 lbs 431 cu. ft. 16 cu. yds.
Estimated water recovered: BBL check - okay	Total Liquid = 62 BBL 2,590 gallon 21,550 lbs

Air Emission from flowline leaks:

Volume of oil spill: - BBL
 Separator gas calculated: - MCF
 Separator gas released: - MCF
 Gas released from oil: - lb
 H2S released: - lb
 Total HC gas released: - lb
 Total HC gas released: - MCF

Air Emission of Reporting Requirements:

New Mexico Texas
 HC gas release reportable? NO NO
 H2S release reportable? NO NO

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

QUESTIONS

Action 438277

QUESTIONS

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 438277
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2505934643
Incident Name	NAPP2505934643 FEDERAL 26A BATTERY @ 30-025-29249
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Well	[30-025-29249] FEDERAL 26 A #001

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Federal 26A Battery
Date Release Discovered	02/27/2025
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Water Tank Produced Water Released: 61 BBL Recovered: 15 BBL Lost: 46 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 438277

QUESTIONS (continued)

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 438277
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Addison Long Email: addisonl@forl.com Date: 03/03/2025
--	---

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QUESTIONS, Page 3

Action 438277

QUESTIONS (continued)

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 438277
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	No
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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

CONDITIONS

Action 438277

CONDITIONS

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 438277
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	3/4/2025

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

QUESTIONS

Action 457923

QUESTIONS

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 457923
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2505934643
Incident Name	NAPP2505934643 FEDERAL 26A BATTERY @ 30-025-29249
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-29249] FEDERAL 26 A #001

Location of Release Source	
Site Name	Federal 26A Battery
Date Release Discovered	02/27/2025
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	3,589
What is the estimated number of samples that will be gathered	38
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/06/2025
Time sampling will commence	10:00 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources 432-813-6823
Please provide any information necessary for navigation to sampling site	32.712965, -103.635545

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Oil Conservation Division
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Santa Fe, NM 87505

CONDITIONS

Action 457923

CONDITIONS

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 457923
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
along	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.	5/2/2025

APPENDIX D

CARMONA RESOURCES



Nearest water well

FASKEN OIL & RANCH LTD

Legend

- 0.50 Mile Radius
- 1.34 Miles
- 1.67 Miles
- Federal 26A Battery (02.27.2025)
- USGS Water Well



Low Karst

FASKEN OIL & RANCH LTD

Legend

 Federal 26A Battery (02.27.2025)

 Low

Federal 26A Battery (02.27.2025)





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)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
C 04548 POD1		CUB	LE	NW	NE	NW	01	26S	32E	628237.7	3622599.1		2332		110	
CP 01584 POD1		CP	LE	NE	NW	SW	30	18S	34E	630653.5	3620788.0		2828	500		
CP 00691		CP	LE	SE	SE	NE	24	18S	33E	630327.0	3622662.0 *		3412	215	195	20
CP 00813 POD1		CP	LE			NW	33	18S	33E	624441.0	3619644.0 *		3488	300		
L 07429		L	LE	NW	NW	NW	19	18S	34E	630523.0	3623272.0 *		3988	149	105	44

Average Depth to Water: 136 feet

Minimum Depth: 105 feet

Maximum Depth: 195 feet

Record Count: 5

UTM Filters (in meters):

Easting: 627867.96

Northing: 3620296.02

Radius: 4000

* UTM location was derived from PLSS - see Help

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



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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 324354103374801

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

USGS 324354103374801 18S.33E.23.23140

Lea County, New Mexico
Latitude 32°43'54", Longitude 103°37'48" NAD27
Land-surface elevation 3,871 feet above NAVD88
The depth of the well is 58 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1965-12-01			D 62610		3824.40	NGVD29	1		Z	
1965-12-01			D 62611		3826.03	NAVD88	1		Z	
1965-12-01			D 72019	44.97			1		Z	
1968-03-06			D 62610		3823.11	NGVD29	1		Z	
1968-03-06			D 62611		3824.74	NAVD88	1		Z	
1968-03-06			D 72019	46.26			1		Z	
1971-02-09			D 62610		3823.72	NGVD29	1		Z	
1971-02-09			D 62611		3825.35	NAVD88	1		Z	
1971-02-09			D 72019	45.65			1		Z	
1976-02-17			D 62610		3823.06	NGVD29	1		Z	
1976-02-17			D 62611		3824.69	NAVD88	1		Z	
1976-02-17			D 72019	46.31			1		Z	
1981-02-20			D 62610		3821.74	NGVD29	1		Z	
1981-02-20			D 62611		3823.37	NAVD88	1		Z	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1981-02-20			D	72019	47.63		1	Z		

Explanation

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

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Title: Groundwater for New Mexico: Water Levels
URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=324354103374801&agency_cd=USGS&format=html)



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USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

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Groundwater levels for New Mexico

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Agency code = usgs
site_no list =

- 324224103394901

Minimum number of levels = 1
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USGS 324224103394901 18S.33E.33.21131

Lea County, New Mexico
Latitude 32°42'24", Longitude 103°39'49" NAD27
Land-surface elevation 3,769 feet above NAVD88
The depth of the well is 200 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1958-12-09			D	62610	3590.05	NGVD29	1		Z	
1958-12-09			D	62611	3591.65	NAVD88	1		Z	
1958-12-09			D	72019	177.35		1		Z	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static

Section	Code	Description
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

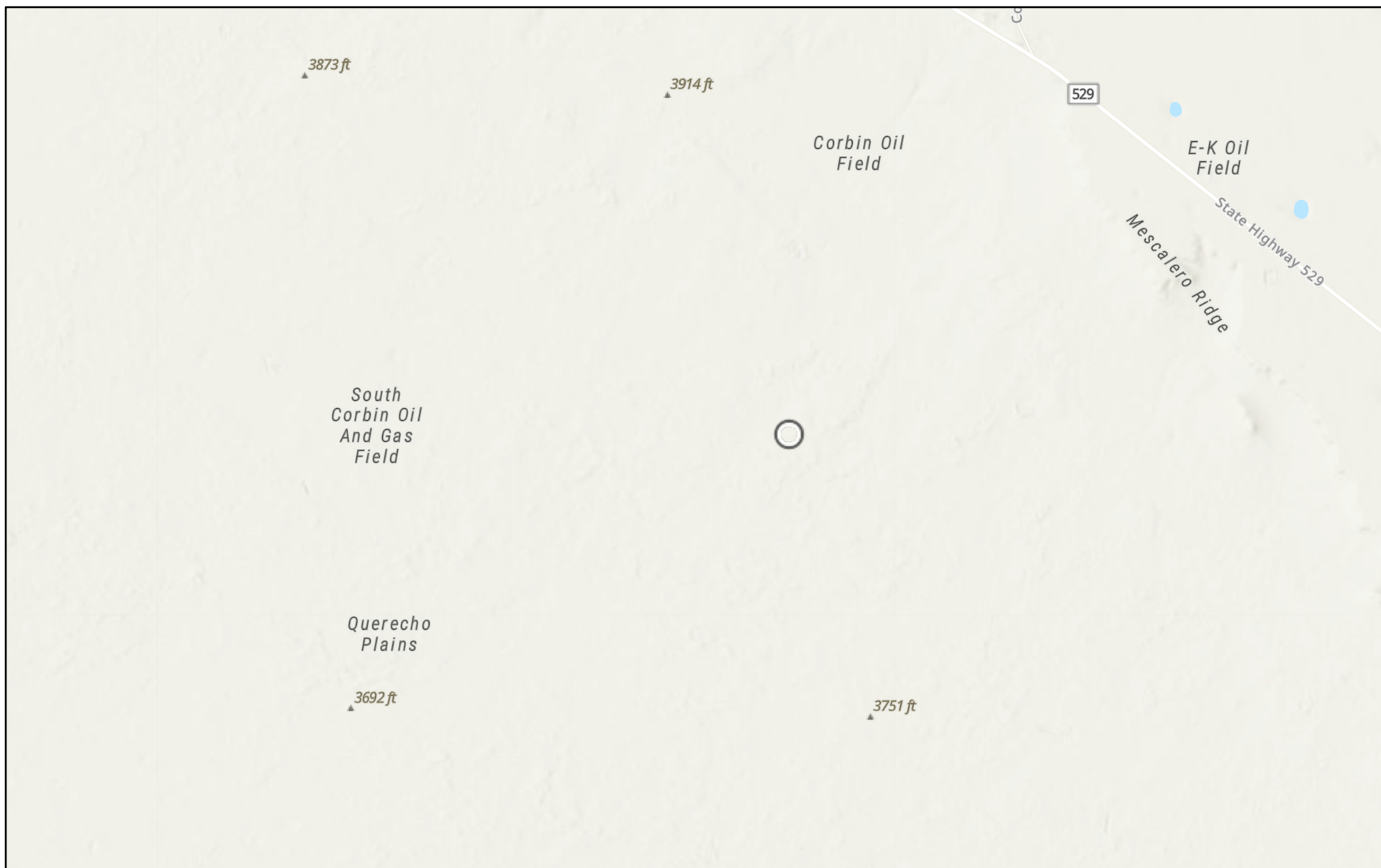
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Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



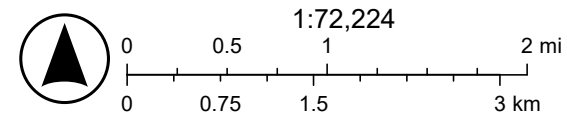
Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2022-07-25 10:00:23 EDT
0.27 0.23 nadww02

Federal 26A Battery (02.27.2025)



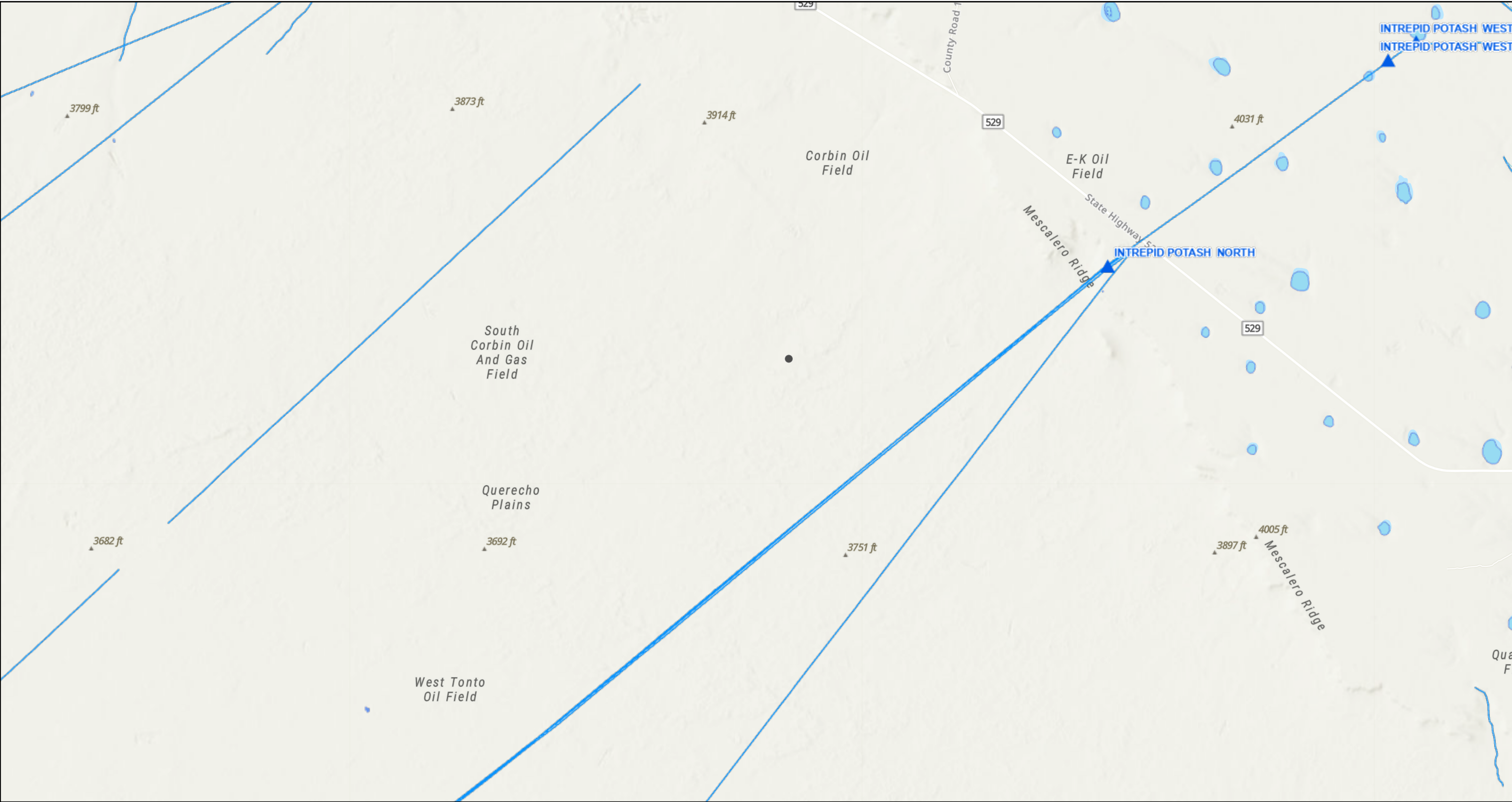
3/20/2025

World_Hillshade



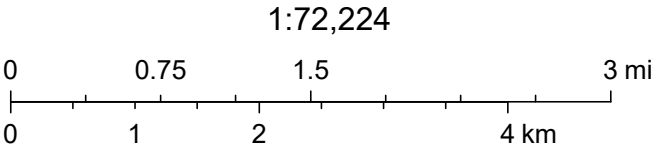
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Federal 26A Battery (02.27.2025)



3/20/2025, 9:10:14 AM

- OSW Water Bodys
- OSE Probable Playas
- OSE Streams
- NMED Drinking Water Systems



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APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/1/2025 12:42:00 PM

JOB DESCRIPTION

Federal 26 A Battery
Lea County, New Mexico

JOB NUMBER

880-56133-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



Generated
4/1/2025 12:42:00 PM

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

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Laboratory Job ID: 880-56133-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56133-1
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
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: Federal 26 A Battery

Job ID: 880-56133-1

Job ID: 880-56133-1

Eurofins Midland

Job Narrative 880-56133-1

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

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

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

Receipt

The sample was received on 3/27/2025 2:15 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 0.7°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: T-4 (4') (880-56133-1).

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 8015MOD_NM: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-106288 and analytical batch 880-106416. The associated laboratory control sample (LCS) met acceptance criteria.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-106288/3-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

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-106318 and analytical batch 880-106371 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: (880-56137-A-3-C), (880-56137-A-3-D MS) and (880-56137-A-3-E MSD).

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56133-1
SDG: Lea County, New Mexico

Client Sample ID: T-4 (4')

Lab Sample ID: 880-56133-1

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 09:15	03/28/25 12:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:15	03/28/25 12:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:15	03/28/25 12:13	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/28/25 09:15	03/28/25 12:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:15	03/28/25 12:13	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/28/25 09:15	03/28/25 12:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	03/28/25 09:15	03/28/25 12:13	1
1,4-Difluorobenzene (Surr)	90		70 - 130	03/28/25 09:15	03/28/25 12:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/28/25 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	<49.8	U	49.8		mg/Kg			03/30/25 02:16	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		03/28/25 06:57	03/30/25 02:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/28/25 06:57	03/30/25 02:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/28/25 06:57	03/30/25 02:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	03/28/25 06:57	03/30/25 02:16	1
o-Terphenyl	111		70 - 130	03/28/25 06:57	03/30/25 02:16	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			03/31/25 18:03	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56133-1
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)
880-56133-1	T-4 (4')	109	90
880-56133-1 MS	T-4 (4')	103	98
880-56133-1 MSD	T-4 (4')	101	93
LCS 880-106307/1-A	Lab Control Sample	104	97
LCSD 880-106307/2-A	Lab Control Sample Dup	101	94
MB 880-106307/5-A	Method Blank	106	83
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-56133-1	T-4 (4')	118	111
890-7866-A-2-B MS	Matrix Spike	114	114
890-7866-A-2-C MSD	Matrix Spike Duplicate	118	117
LCS 880-106288/2-A	Lab Control Sample	105	114
LCSD 880-106288/3-A	Lab Control Sample Dup	146 S1+	133 S1+
MB 880-106288/1-A	Method Blank	112	111
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56133-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-106307/5-A

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106307

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:15	03/28/25 11:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:15	03/28/25 11:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:15	03/28/25 11:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/28/25 09:15	03/28/25 11:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:15	03/28/25 11:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/28/25 09:15	03/28/25 11:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	03/28/25 09:15	03/28/25 11:51	1
1,4-Difluorobenzene (Surr)	83		70 - 130	03/28/25 09:15	03/28/25 11:51	1

Lab Sample ID: LCS 880-106307/1-A

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106307

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1029		mg/Kg		103	70 - 130
Toluene	0.100	0.09316		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09829		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.2109		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1051		mg/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-106307/2-A

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106307

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09895		mg/Kg		99	70 - 130	4	35
Toluene	0.100	0.08958		mg/Kg		90	70 - 130	4	35
Ethylbenzene	0.100	0.09496		mg/Kg		95	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2028		mg/Kg		101	70 - 130	4	35
o-Xylene	0.100	0.1017		mg/Kg		102	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-56133-1 MS

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: T-4 (4')

Prep Type: Total/NA

Prep Batch: 106307

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1036		mg/Kg		104	70 - 130
Toluene	<0.00200	U	0.100	0.09183		mg/Kg		92	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56133-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56133-1 MS
Matrix: Solid
Analysis Batch: 106301

Client Sample ID: T-4 (4')
Prep Type: Total/NA
Prep Batch: 106307

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09545		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2023		mg/Kg		101	70 - 130
o-Xylene	<0.00200	U	0.100	0.1002		mg/Kg		100	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	103		70 - 130						
1,4-Difluorobenzene (Surr)	98		70 - 130						

Lab Sample ID: 880-56133-1 MSD
Matrix: Solid
Analysis Batch: 106301

Client Sample ID: T-4 (4')
Prep Type: Total/NA
Prep Batch: 106307

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	0.09730		mg/Kg		97	70 - 130	6	35
Toluene	<0.00200	U	0.100	0.08753		mg/Kg		88	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.100	0.09178		mg/Kg		92	70 - 130	4	35
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1954		mg/Kg		98	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.09729		mg/Kg		97	70 - 130	3	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	101		70 - 130								
1,4-Difluorobenzene (Surr)	93		70 - 130								

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

Lab Sample ID: MB 880-106288/1-A
Matrix: Solid
Analysis Batch: 106416

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 106288

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		03/28/25 06:57	03/30/25 00:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 00:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 00:40	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	112		70 - 130						
o-Terphenyl	111		70 - 130						

Lab Sample ID: LCS 880-106288/2-A
Matrix: Solid
Analysis Batch: 106416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 106288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	922.3		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1031		mg/Kg		103	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56133-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-106288/2-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106288

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: LCSD 880-106288/3-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106288

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1054		mg/Kg		105	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	1000	1150		mg/Kg		115	70 - 130	11	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	146	S1+	70 - 130
o-Terphenyl	133	S1+	70 - 130

Lab Sample ID: 890-7866-A-2-B MS

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106288

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	996	<49.8	U F1	mg/Kg		0	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: 890-7866-A-2-C MSD

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106288

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	996	<49.8	U F1	mg/Kg		0	70 - 130	NC	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130	NC	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	117		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56133-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-106318/1-A

Matrix: Solid

Analysis Batch: 106371

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			03/31/25 17:17	1

Lab Sample ID: LCS 880-106318/2-A

Matrix: Solid

Analysis Batch: 106371

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.3		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-106318/3-A

Matrix: Solid

Analysis Batch: 106371

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	251.9		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-56137-A-3-D MS

Matrix: Solid

Analysis Batch: 106371

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	627	F1	248	846.2	F1	mg/Kg		88	90 - 110

Lab Sample ID: 880-56137-A-3-E MSD

Matrix: Solid

Analysis Batch: 106371

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	627	F1	248	846.4	F1	mg/Kg		88	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56133-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 106301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56133-1	T-4 (4')	Total/NA	Solid	8021B	106307
MB 880-106307/5-A	Method Blank	Total/NA	Solid	8021B	106307
LCS 880-106307/1-A	Lab Control Sample	Total/NA	Solid	8021B	106307
LCSD 880-106307/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	106307
880-56133-1 MS	T-4 (4')	Total/NA	Solid	8021B	106307
880-56133-1 MSD	T-4 (4')	Total/NA	Solid	8021B	106307

Prep Batch: 106307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56133-1	T-4 (4')	Total/NA	Solid	5035	
MB 880-106307/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-106307/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-106307/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-56133-1 MS	T-4 (4')	Total/NA	Solid	5035	
880-56133-1 MSD	T-4 (4')	Total/NA	Solid	5035	

Analysis Batch: 106483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56133-1	T-4 (4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 106288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56133-1	T-4 (4')	Total/NA	Solid	8015NM Prep	
MB 880-106288/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-106288/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-106288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7866-A-2-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7866-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 106416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56133-1	T-4 (4')	Total/NA	Solid	8015B NM	106288
MB 880-106288/1-A	Method Blank	Total/NA	Solid	8015B NM	106288
LCS 880-106288/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	106288
LCSD 880-106288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	106288
890-7866-A-2-B MS	Matrix Spike	Total/NA	Solid	8015B NM	106288
890-7866-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	106288

Analysis Batch: 106548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56133-1	T-4 (4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 106318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56133-1	T-4 (4')	Soluble	Solid	DI Leach	
MB 880-106318/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-106318/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-106318/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56133-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 106318 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56137-A-3-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-56137-A-3-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 106371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56133-1	T-4 (4')	Soluble	Solid	300.0	106318
MB 880-106318/1-A	Method Blank	Soluble	Solid	300.0	106318
LCS 880-106318/2-A	Lab Control Sample	Soluble	Solid	300.0	106318
LCSD 880-106318/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	106318
880-56137-A-3-D MS	Matrix Spike	Soluble	Solid	300.0	106318
880-56137-A-3-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	106318

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56133-1
SDG: Lea County, New Mexico

Client Sample ID: T-4 (4')
Date Collected: 03/25/25 00:00
Date Received: 03/27/25 14:15

Lab Sample ID: 880-56133-1
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			4.99 g	5 mL	106307	03/28/25 09:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106301	03/28/25 12:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106483	03/28/25 12:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106548	03/30/25 02:16	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	106288	03/28/25 06:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106416	03/30/25 02:16	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	106318	03/28/25 10:15	SMC	EET MID
Soluble	Analysis	300.0		1			106371	03/31/25 18:03	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: Federal 26 A Battery

Job ID: 880-56133-1
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	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56133-1
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: Federal 26 A Battery

Job ID: 880-56133-1
SDG: Lea County, New Mexico

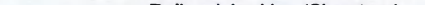
Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-56133-1	T-4 (4')	Solid	03/25/25 00:00	03/27/25 14:15

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- 3
- 4
- 5
- 6
- 7
- 8
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- 10
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880-56133 Chain of Custody

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:		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	3/27/25 @ 14:15		3/27/25 14:15

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-56133-1
SDG Number: Lea County, New Mexico

Login Number: 56133

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/1/2025 12:42:10 PM

JOB DESCRIPTION

Federal 26 A Battery
Lea County, New Mexico

JOB NUMBER

880-56134-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
4/1/2025 12:42:10 PM

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

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Laboratory Job ID: 880-56134-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56134-1
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
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
SQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Carmona Resources
Project: Federal 26 A Battery

Job ID: 880-56134-1

Job ID: 880-56134-1

Eurofins Midland

Job Narrative 880-56134-1

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

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

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

Receipt

The sample was received on 3/27/2025 2:15 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 0.5°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: T-3 (2.5') (880-56134-1).

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 8015MOD_NM: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-106288 and analytical batch 880-106416. The associated laboratory control sample (LCS) met acceptance criteria.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-106288/3-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

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-106318 and analytical batch 880-106371 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: (880-56137-A-3-C), (880-56137-A-3-D MS) and (880-56137-A-3-E MSD).

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56134-1
SDG: Lea County, New Mexico

Client Sample ID: T-3 (2.5')

Lab Sample ID: 880-56134-1

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 09:15	03/28/25 12:34	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/28/25 09:15	03/28/25 12:34	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/28/25 09:15	03/28/25 12:34	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/28/25 09:15	03/28/25 12:34	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/28/25 09:15	03/28/25 12:34	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/28/25 09:15	03/28/25 12:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	03/28/25 09:15	03/28/25 12:34	1
1,4-Difluorobenzene (Surr)	91		70 - 130	03/28/25 09:15	03/28/25 12:34	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			03/28/25 12:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/30/25 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	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 02:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 02:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 02:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	03/28/25 06:57	03/30/25 02:31	1
o-Terphenyl	102		70 - 130	03/28/25 06:57	03/30/25 02:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	182		10.0		mg/Kg			03/31/25 18:09	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56134-1
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)
880-56133-A-1-B MS	Matrix Spike	103	98
880-56133-A-1-C MSD	Matrix Spike Duplicate	101	93
880-56134-1	T-3 (2.5')	103	91
LCS 880-106307/1-A	Lab Control Sample	104	97
LCSD 880-106307/2-A	Lab Control Sample Dup	101	94
MB 880-106307/5-A	Method Blank	106	83
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-56134-1	T-3 (2.5')	107	102
890-7866-A-2-B MS	Matrix Spike	114	114
890-7866-A-2-C MSD	Matrix Spike Duplicate	118	117
LCS 880-106288/2-A	Lab Control Sample	105	114
LCSD 880-106288/3-A	Lab Control Sample Dup	146 S1+	133 S1+
MB 880-106288/1-A	Method Blank	112	111
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56134-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-106307/5-A

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106307

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:15	03/28/25 11:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:15	03/28/25 11:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:15	03/28/25 11:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/28/25 09:15	03/28/25 11:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:15	03/28/25 11:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/28/25 09:15	03/28/25 11:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	03/28/25 09:15	03/28/25 11:51	1
1,4-Difluorobenzene (Surr)	83		70 - 130	03/28/25 09:15	03/28/25 11:51	1

Lab Sample ID: LCS 880-106307/1-A

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106307

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1029		mg/Kg		103	70 - 130
Toluene	0.100	0.09316		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09829		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.2109		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1051		mg/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-106307/2-A

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106307

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09895		mg/Kg		99	70 - 130	4	35
Toluene	0.100	0.08958		mg/Kg		90	70 - 130	4	35
Ethylbenzene	0.100	0.09496		mg/Kg		95	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2028		mg/Kg		101	70 - 130	4	35
o-Xylene	0.100	0.1017		mg/Kg		102	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-56133-A-1-B MS

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106307

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1036		mg/Kg		104	70 - 130
Toluene	<0.00200	U	0.100	0.09183		mg/Kg		92	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56134-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56133-A-1-B MS

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106307

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09545		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2023		mg/Kg		101	70 - 130
o-Xylene	<0.00200	U	0.100	0.1002		mg/Kg		100	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-56133-A-1-C MSD

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106307

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	0.09730		mg/Kg		97	70 - 130	6	35
Toluene	<0.00200	U	0.100	0.08753		mg/Kg		88	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.100	0.09178		mg/Kg		92	70 - 130	4	35
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1954		mg/Kg		98	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.09729		mg/Kg		97	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

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

Lab Sample ID: MB 880-106288/1-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106288

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		03/28/25 06:57	03/30/25 00:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 00:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 00:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	03/28/25 06:57	03/30/25 00:40	1
o-Terphenyl	111		70 - 130	03/28/25 06:57	03/30/25 00:40	1

Lab Sample ID: LCS 880-106288/2-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	922.3		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1031		mg/Kg		103	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56134-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-106288/2-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106288

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: LCSD 880-106288/3-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106288

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1054		mg/Kg		105	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	1000	1150		mg/Kg		115	70 - 130	11	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	146	S1+	70 - 130
o-Terphenyl	133	S1+	70 - 130

Lab Sample ID: 890-7866-A-2-B MS

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106288

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	996	<49.8	U F1	mg/Kg		0	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: 890-7866-A-2-C MSD

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106288

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	996	<49.8	U F1	mg/Kg		0	70 - 130	NC	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130	NC	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	117		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56134-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-106318/1-A

Matrix: Solid

Analysis Batch: 106371

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			03/31/25 17:17	1

Lab Sample ID: LCS 880-106318/2-A

Matrix: Solid

Analysis Batch: 106371

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.3		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-106318/3-A

Matrix: Solid

Analysis Batch: 106371

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	251.9		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-56137-A-3-D MS

Matrix: Solid

Analysis Batch: 106371

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	627	F1	248	846.2	F1	mg/Kg		88	90 - 110

Lab Sample ID: 880-56137-A-3-E MSD

Matrix: Solid

Analysis Batch: 106371

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	627	F1	248	846.4	F1	mg/Kg		88	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56134-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 106301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56134-1	T-3 (2.5')	Total/NA	Solid	8021B	106307
MB 880-106307/5-A	Method Blank	Total/NA	Solid	8021B	106307
LCS 880-106307/1-A	Lab Control Sample	Total/NA	Solid	8021B	106307
LCSD 880-106307/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	106307
880-56133-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	106307
880-56133-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	106307

Prep Batch: 106307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56134-1	T-3 (2.5')	Total/NA	Solid	5035	
MB 880-106307/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-106307/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-106307/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-56133-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-56133-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 106484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56134-1	T-3 (2.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 106288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56134-1	T-3 (2.5')	Total/NA	Solid	8015NM Prep	
MB 880-106288/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-106288/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-106288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7866-A-2-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7866-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 106416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56134-1	T-3 (2.5')	Total/NA	Solid	8015B NM	106288
MB 880-106288/1-A	Method Blank	Total/NA	Solid	8015B NM	106288
LCS 880-106288/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	106288
LCSD 880-106288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	106288
890-7866-A-2-B MS	Matrix Spike	Total/NA	Solid	8015B NM	106288
890-7866-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	106288

Analysis Batch: 106549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56134-1	T-3 (2.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 106318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56134-1	T-3 (2.5')	Soluble	Solid	DI Leach	
MB 880-106318/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-106318/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-106318/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56134-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 106318 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56137-A-3-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-56137-A-3-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 106371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56134-1	T-3 (2.5')	Soluble	Solid	300.0	106318
MB 880-106318/1-A	Method Blank	Soluble	Solid	300.0	106318
LCS 880-106318/2-A	Lab Control Sample	Soluble	Solid	300.0	106318
LCSD 880-106318/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	106318
880-56137-A-3-D MS	Matrix Spike	Soluble	Solid	300.0	106318
880-56137-A-3-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	106318

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56134-1
SDG: Lea County, New Mexico

Client Sample ID: T-3 (2.5')
Date Collected: 03/25/25 00:00
Date Received: 03/27/25 14:15

Lab Sample ID: 880-56134-1
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	106307	03/28/25 09:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106301	03/28/25 12:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106484	03/28/25 12:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106549	03/30/25 02:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	106288	03/28/25 06:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106416	03/30/25 02:31	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	106318	03/28/25 10:15	SMC	EET MID
Soluble	Analysis	300.0		1			106371	03/31/25 18:09	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
Project/Site: Federal 26 A Battery

Job ID: 880-56134-1
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	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56134-1
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: Federal 26 A Battery

Job ID: 880-56134-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-56134-1	T-3 (2.5')	Solid	03/25/25 00:00	03/27/25 14:15

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

880-56134 Chain of Custody

Work Order Comments			
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐			
State of Project:			
Reporting: Level II ☐ Level III ☐ UST/UST ☐ RRP ☐ Level IV ☐			
Deliverables: EDD ☐ ADaPT ☐ Other:			

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Ivan Ramon</i>	3/27/25 @ 14:15		3/27/25 14:22

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-56134-1

SDG Number: Lea County, New Mexico

Login Number: 56134

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/1/2025 12:42:38 PM

JOB DESCRIPTION

Federal 26 A Battery
Lea County, New Mexico

JOB NUMBER

880-56135-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



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4/1/2025 12:42:38 PM

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

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Laboratory Job ID: 880-56135-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56135-1
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
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: Federal 26 A Battery

Job ID: 880-56135-1

Job ID: 880-56135-1

Eurofins Midland

Job Narrative 880-56135-1

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

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

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

Receipt

The sample was received on 3/27/2025 2:15 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 0.5°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: T-4 (5') (880-56135-1).

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 8015MOD_NM: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-106288 and analytical batch 880-106416. The associated laboratory control sample (LCS) met acceptance criteria.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-106288/3-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

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-106318 and analytical batch 880-106371 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: (880-56137-A-3-C), (880-56137-A-3-D MS) and (880-56137-A-3-E MSD).

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56135-1
SDG: Lea County, New Mexico

Client Sample ID: T-4 (5')

Lab Sample ID: 880-56135-1

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 09:15	03/28/25 12:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/28/25 09:15	03/28/25 12:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/28/25 09:15	03/28/25 12:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/28/25 09:15	03/28/25 12:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/28/25 09:15	03/28/25 12:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/28/25 09:15	03/28/25 12:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	03/28/25 09:15	03/28/25 12:54	1
1,4-Difluorobenzene (Surr)	89		70 - 130	03/28/25 09:15	03/28/25 12:54	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			03/28/25 12:54	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			03/30/25 02:47	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		03/28/25 06:57	03/30/25 02:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/28/25 06:57	03/30/25 02:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/28/25 06:57	03/30/25 02:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	03/28/25 06:57	03/30/25 02:47	1
o-Terphenyl	104		70 - 130	03/28/25 06:57	03/30/25 02:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	858		10.0		mg/Kg			03/31/25 18:26	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56135-1
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)
880-56133-A-1-B MS	Matrix Spike	103	98
880-56133-A-1-C MSD	Matrix Spike Duplicate	101	93
880-56135-1	T-4 (5')	106	89
LCS 880-106307/1-A	Lab Control Sample	104	97
LCSD 880-106307/2-A	Lab Control Sample Dup	101	94
MB 880-106307/5-A	Method Blank	106	83
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-56135-1	T-4 (5')	109	104
890-7866-A-2-B MS	Matrix Spike	114	114
890-7866-A-2-C MSD	Matrix Spike Duplicate	118	117
LCS 880-106288/2-A	Lab Control Sample	105	114
LCSD 880-106288/3-A	Lab Control Sample Dup	146 S1+	133 S1+
MB 880-106288/1-A	Method Blank	112	111
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56135-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-106307/5-A

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106307

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:15	03/28/25 11:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:15	03/28/25 11:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:15	03/28/25 11:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/28/25 09:15	03/28/25 11:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:15	03/28/25 11:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/28/25 09:15	03/28/25 11:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	03/28/25 09:15	03/28/25 11:51	1
1,4-Difluorobenzene (Surr)	83		70 - 130	03/28/25 09:15	03/28/25 11:51	1

Lab Sample ID: LCS 880-106307/1-A

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106307

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1029		mg/Kg		103	70 - 130
Toluene	0.100	0.09316		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09829		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.2109		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1051		mg/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-106307/2-A

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106307

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09895		mg/Kg		99	70 - 130	4	35
Toluene	0.100	0.08958		mg/Kg		90	70 - 130	4	35
Ethylbenzene	0.100	0.09496		mg/Kg		95	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2028		mg/Kg		101	70 - 130	4	35
o-Xylene	0.100	0.1017		mg/Kg		102	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-56133-A-1-B MS

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106307

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1036		mg/Kg		104	70 - 130
Toluene	<0.00200	U	0.100	0.09183		mg/Kg		92	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56135-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56133-A-1-B MS

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106307

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09545		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2023		mg/Kg		101	70 - 130
o-Xylene	<0.00200	U	0.100	0.1002		mg/Kg		100	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-56133-A-1-C MSD

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106307

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	0.09730		mg/Kg		97	70 - 130	6	35
Toluene	<0.00200	U	0.100	0.08753		mg/Kg		88	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.100	0.09178		mg/Kg		92	70 - 130	4	35
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1954		mg/Kg		98	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.09729		mg/Kg		97	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

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

Lab Sample ID: MB 880-106288/1-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106288

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		03/28/25 06:57	03/30/25 00:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 00:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 00:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	03/28/25 06:57	03/30/25 00:40	1
o-Terphenyl	111		70 - 130	03/28/25 06:57	03/30/25 00:40	1

Lab Sample ID: LCS 880-106288/2-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	922.3		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1031		mg/Kg		103	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56135-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-106288/2-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106288

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: LCSD 880-106288/3-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106288

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1054		mg/Kg		105	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	1000	1150		mg/Kg		115	70 - 130	11	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	146	S1+	70 - 130
o-Terphenyl	133	S1+	70 - 130

Lab Sample ID: 890-7866-A-2-B MS

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106288

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	996	<49.8	U F1	mg/Kg		0	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: 890-7866-A-2-C MSD

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106288

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	996	<49.8	U F1	mg/Kg		0	70 - 130	NC	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130	NC	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	117		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56135-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-106318/1-A

Matrix: Solid

Analysis Batch: 106371

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			03/31/25 17:17	1

Lab Sample ID: LCS 880-106318/2-A

Matrix: Solid

Analysis Batch: 106371

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.3		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-106318/3-A

Matrix: Solid

Analysis Batch: 106371

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	251.9		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-56137-A-3-D MS

Matrix: Solid

Analysis Batch: 106371

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	627	F1	248	846.2	F1	mg/Kg		88	90 - 110

Lab Sample ID: 880-56137-A-3-E MSD

Matrix: Solid

Analysis Batch: 106371

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	627	F1	248	846.4	F1	mg/Kg		88	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56135-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 106301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56135-1	T-4 (5')	Total/NA	Solid	8021B	106307
MB 880-106307/5-A	Method Blank	Total/NA	Solid	8021B	106307
LCS 880-106307/1-A	Lab Control Sample	Total/NA	Solid	8021B	106307
LCSD 880-106307/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	106307
880-56133-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	106307
880-56133-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	106307

Prep Batch: 106307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56135-1	T-4 (5')	Total/NA	Solid	5035	
MB 880-106307/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-106307/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-106307/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-56133-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-56133-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 106485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56135-1	T-4 (5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 106288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56135-1	T-4 (5')	Total/NA	Solid	8015NM Prep	
MB 880-106288/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-106288/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-106288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7866-A-2-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7866-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 106416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56135-1	T-4 (5')	Total/NA	Solid	8015B NM	106288
MB 880-106288/1-A	Method Blank	Total/NA	Solid	8015B NM	106288
LCS 880-106288/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	106288
LCSD 880-106288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	106288
890-7866-A-2-B MS	Matrix Spike	Total/NA	Solid	8015B NM	106288
890-7866-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	106288

Analysis Batch: 106550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56135-1	T-4 (5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 106318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56135-1	T-4 (5')	Soluble	Solid	DI Leach	
MB 880-106318/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-106318/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-106318/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56135-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 106318 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56137-A-3-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-56137-A-3-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 106371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56135-1	T-4 (5')	Soluble	Solid	300.0	106318
MB 880-106318/1-A	Method Blank	Soluble	Solid	300.0	106318
LCS 880-106318/2-A	Lab Control Sample	Soluble	Solid	300.0	106318
LCSD 880-106318/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	106318
880-56137-A-3-D MS	Matrix Spike	Soluble	Solid	300.0	106318
880-56137-A-3-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	106318

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56135-1
SDG: Lea County, New Mexico

Client Sample ID: T-4 (5')
Date Collected: 03/25/25 00:00
Date Received: 03/27/25 14:15

Lab Sample ID: 880-56135-1
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			5.03 g	5 mL	106307	03/28/25 09:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106301	03/28/25 12:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106485	03/28/25 12:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106550	03/30/25 02:47	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	106288	03/28/25 06:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106416	03/30/25 02:47	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	106318	03/28/25 10:15	SMC	EET MID
Soluble	Analysis	300.0		1			106371	03/31/25 18:26	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: Federal 26 A Battery

Job ID: 880-56135-1
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	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56135-1
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: Federal 26 A Battery

Job ID: 880-56135-1
SDG: Lea County, New Mexico

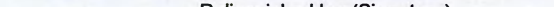
Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-56135-1	T-4 (5')	Solid	03/25/25 00:00	03/27/25 14:15

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- 7
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880-56135 Chain of Custody

Work Order Comments				
Program:	UST/PST ☐	PRP ☐	Brownfields ☐	RC ☐
State of Project:				
Reporting:	Level II ☐	Level III ☐	ST/UST ☐	RRP ☐
	Level IV ☐			
Deliverables:	EDD ☐	ADaPT ☐	Other: ☐	

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	3/27/25 @ 14:15		3/27/25 Mon

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-56135-1
SDG Number: Lea County, New Mexico

Login Number: 56135

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/1/2025 12:44:14 PM

JOB DESCRIPTION

Federal 26 A Battery
Lea County, New Mexico

JOB NUMBER

880-56136-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
4/1/2025 12:44:14 PM

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

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Laboratory Job ID: 880-56136-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56136-1
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
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: Federal 26 A Battery

Job ID: 880-56136-1

Job ID: 880-56136-1

Eurofins Midland

Job Narrative 880-56136-1

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

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

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

Receipt

The samples were received on 3/27/2025 2:15 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 0.5°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: T-1 (3') (880-56136-1) and T-4 (3') (880-56136-2).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-106288 and analytical batch 880-106416. The associated laboratory control sample (LCS) met acceptance criteria.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-106288/3-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

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-106318 and analytical batch 880-106371 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: (880-56137-A-3-C), (880-56137-A-3-D MS) and (880-56137-A-3-E MSD).

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56136-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (3')

Lab Sample ID: 880-56136-1

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 09:15	03/28/25 13:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:15	03/28/25 13:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:15	03/28/25 13:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/28/25 09:15	03/28/25 13:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:15	03/28/25 13:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/28/25 09:15	03/28/25 13:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	03/28/25 09:15	03/28/25 13:15	1
1,4-Difluorobenzene (Surr)	89		70 - 130	03/28/25 09:15	03/28/25 13:15	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			03/28/25 13:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/30/25 03:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/28/25 06:57	03/30/25 03:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/28/25 06:57	03/30/25 03:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/28/25 06:57	03/30/25 03:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	03/28/25 06:57	03/30/25 03:03	1
o-Terphenyl	112		70 - 130	03/28/25 06:57	03/30/25 03:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	657		10.1		mg/Kg			03/31/25 18:32	1

Client Sample ID: T-4 (3')

Lab Sample ID: 880-56136-2

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 09:15	03/28/25 13:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/28/25 09:15	03/28/25 13:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/28/25 09:15	03/28/25 13:35	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		03/28/25 09:15	03/28/25 13:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/28/25 09:15	03/28/25 13:35	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		03/28/25 09:15	03/28/25 13:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	03/28/25 09:15	03/28/25 13:35	1
1,4-Difluorobenzene (Surr)	89		70 - 130	03/28/25 09:15	03/28/25 13:35	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56136-1
SDG: Lea County, New Mexico

Client Sample ID: T-4 (3')

Lab Sample ID: 880-56136-2

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			03/28/25 13:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/30/25 03:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/28/25 06:57	03/30/25 03:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/28/25 06:57	03/30/25 03:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/28/25 06:57	03/30/25 03:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	03/28/25 06:57	03/30/25 03:19	1
o-Terphenyl	105		70 - 130	03/28/25 06:57	03/30/25 03:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	228		9.96		mg/Kg			03/31/25 18:38	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56136-1
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)
880-56133-A-1-B MS	Matrix Spike	103	98
880-56133-A-1-C MSD	Matrix Spike Duplicate	101	93
880-56136-1	T-1 (3')	113	89
880-56136-2	T-4 (3')	103	89
LCS 880-106307/1-A	Lab Control Sample	104	97
LCSD 880-106307/2-A	Lab Control Sample Dup	101	94
MB 880-106307/5-A	Method Blank	106	83
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-56136-1	T-1 (3')	116	112
880-56136-2	T-4 (3')	111	105
890-7866-A-2-B MS	Matrix Spike	114	114
890-7866-A-2-C MSD	Matrix Spike Duplicate	118	117
LCS 880-106288/2-A	Lab Control Sample	105	114
LCSD 880-106288/3-A	Lab Control Sample Dup	146 S1+	133 S1+
MB 880-106288/1-A	Method Blank	112	111
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56136-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-106307/5-A

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106307

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:15	03/28/25 11:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:15	03/28/25 11:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:15	03/28/25 11:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/28/25 09:15	03/28/25 11:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:15	03/28/25 11:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/28/25 09:15	03/28/25 11:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	03/28/25 09:15	03/28/25 11:51	1
1,4-Difluorobenzene (Surr)	83		70 - 130	03/28/25 09:15	03/28/25 11:51	1

Lab Sample ID: LCS 880-106307/1-A

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106307

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1029		mg/Kg		103	70 - 130
Toluene	0.100	0.09316		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09829		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.2109		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1051		mg/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-106307/2-A

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106307

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09895		mg/Kg		99	70 - 130	4	35
Toluene	0.100	0.08958		mg/Kg		90	70 - 130	4	35
Ethylbenzene	0.100	0.09496		mg/Kg		95	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2028		mg/Kg		101	70 - 130	4	35
o-Xylene	0.100	0.1017		mg/Kg		102	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-56133-A-1-B MS

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106307

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1036		mg/Kg		104	70 - 130
Toluene	<0.00200	U	0.100	0.09183		mg/Kg		92	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56136-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56133-A-1-B MS

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106307

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09545		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2023		mg/Kg		101	70 - 130
o-Xylene	<0.00200	U	0.100	0.1002		mg/Kg		100	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-56133-A-1-C MSD

Matrix: Solid

Analysis Batch: 106301

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106307

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	0.09730		mg/Kg		97	70 - 130	6	35
Toluene	<0.00200	U	0.100	0.08753		mg/Kg		88	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.100	0.09178		mg/Kg		92	70 - 130	4	35
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1954		mg/Kg		98	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.09729		mg/Kg		97	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

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

Lab Sample ID: MB 880-106288/1-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106288

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		03/28/25 06:57	03/30/25 00:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 00:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 00:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	03/28/25 06:57	03/30/25 00:40	1
o-Terphenyl	111		70 - 130	03/28/25 06:57	03/30/25 00:40	1

Lab Sample ID: LCS 880-106288/2-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	922.3		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1031		mg/Kg		103	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56136-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-106288/2-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106288

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: LCSD 880-106288/3-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106288

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1054		mg/Kg		105	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	1000	1150		mg/Kg		115	70 - 130	11	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	146	S1+	70 - 130
o-Terphenyl	133	S1+	70 - 130

Lab Sample ID: 890-7866-A-2-B MS

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106288

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	996	<49.8	U F1	mg/Kg		0	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: 890-7866-A-2-C MSD

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106288

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	996	<49.8	U F1	mg/Kg		0	70 - 130	NC	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130	NC	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	117		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56136-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-106318/1-A
Matrix: Solid
Analysis Batch: 106371

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			03/31/25 17:17	1

Lab Sample ID: LCS 880-106318/2-A
Matrix: Solid
Analysis Batch: 106371

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.3		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-106318/3-A
Matrix: Solid
Analysis Batch: 106371

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	251.9		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-56137-A-3-D MS
Matrix: Solid
Analysis Batch: 106371

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	627	F1	248	846.2	F1	mg/Kg		88	90 - 110

Lab Sample ID: 880-56137-A-3-E MSD
Matrix: Solid
Analysis Batch: 106371

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	627	F1	248	846.4	F1	mg/Kg		88	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56136-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 106301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56136-1	T-1 (3')	Total/NA	Solid	8021B	106307
880-56136-2	T-4 (3')	Total/NA	Solid	8021B	106307
MB 880-106307/5-A	Method Blank	Total/NA	Solid	8021B	106307
LCS 880-106307/1-A	Lab Control Sample	Total/NA	Solid	8021B	106307
LCSD 880-106307/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	106307
880-56133-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	106307
880-56133-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	106307

Prep Batch: 106307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56136-1	T-1 (3')	Total/NA	Solid	5035	
880-56136-2	T-4 (3')	Total/NA	Solid	5035	
MB 880-106307/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-106307/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-106307/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-56133-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-56133-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 106486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56136-1	T-1 (3')	Total/NA	Solid	Total BTEX	
880-56136-2	T-4 (3')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 106288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56136-1	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-56136-2	T-4 (3')	Total/NA	Solid	8015NM Prep	
MB 880-106288/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-106288/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-106288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7866-A-2-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7866-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 106416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56136-1	T-1 (3')	Total/NA	Solid	8015B NM	106288
880-56136-2	T-4 (3')	Total/NA	Solid	8015B NM	106288
MB 880-106288/1-A	Method Blank	Total/NA	Solid	8015B NM	106288
LCS 880-106288/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	106288
LCSD 880-106288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	106288
890-7866-A-2-B MS	Matrix Spike	Total/NA	Solid	8015B NM	106288
890-7866-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	106288

Analysis Batch: 106551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56136-1	T-1 (3')	Total/NA	Solid	8015 NM	
880-56136-2	T-4 (3')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56136-1
SDG: Lea County, New Mexico

HPLC/IC

Leach Batch: 106318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56136-1	T-1 (3')	Soluble	Solid	DI Leach	
880-56136-2	T-4 (3')	Soluble	Solid	DI Leach	
MB 880-106318/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-106318/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-106318/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-56137-A-3-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-56137-A-3-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 106371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56136-1	T-1 (3')	Soluble	Solid	300.0	106318
880-56136-2	T-4 (3')	Soluble	Solid	300.0	106318
MB 880-106318/1-A	Method Blank	Soluble	Solid	300.0	106318
LCS 880-106318/2-A	Lab Control Sample	Soluble	Solid	300.0	106318
LCSD 880-106318/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	106318
880-56137-A-3-D MS	Matrix Spike	Soluble	Solid	300.0	106318
880-56137-A-3-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	106318

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56136-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (3')
Date Collected: 03/25/25 00:00
Date Received: 03/27/25 14:15

Lab Sample ID: 880-56136-1
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	106307	03/28/25 09:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106301	03/28/25 13:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106486	03/28/25 13:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106551	03/30/25 03:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	106288	03/28/25 06:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106416	03/30/25 03:03	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	106318	03/28/25 10:15	SMC	EET MID
Soluble	Analysis	300.0		1			106371	03/31/25 18:32	SMC	EET MID

Client Sample ID: T-4 (3')
Date Collected: 03/25/25 00:00
Date Received: 03/27/25 14:15

Lab Sample ID: 880-56136-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	106307	03/28/25 09:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106301	03/28/25 13:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106486	03/28/25 13:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106551	03/30/25 03:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	106288	03/28/25 06:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106416	03/30/25 03:19	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	106318	03/28/25 10:15	SMC	EET MID
Soluble	Analysis	300.0		1			106371	03/31/25 18:38	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: Federal 26 A Battery

Job ID: 880-56136-1
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	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56136-1
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: Federal 26 A Battery

Job ID: 880-56136-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-56136-1	T-1 (3')	Solid	03/25/25 00:00	03/27/25 14:15
880-56136-2	T-4 (3')	Solid	03/25/25 00:00	03/27/25 14:15

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- 14

Chain of Custody



Project Manager:	Conner Moehring	Bill to: (if different)	Grant Huckabay & Addison Guekler
Company Name:	Carmona Resources	Company Name:	Fasken Oil and Ranch
Address:	310 W Wall St Ste 500	Address:	6101 Holiday Hill Road
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79707
Phone:	432-813-6823	Email:	Granth@forl.com & addisong@forl.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:		Federal 26 A Battery		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes																								
Project Number:		2680		☒ Routine ☐ Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300.0																None: NO DI Water: H ₂ O																							
Project Location		Lea County, New Mexico		Due Date:																				Standard		Cool: Cool MeOH: Me																					
Sampler's Name:		CRM																								HCL: HC HNO ₃ : HN																					
PO #:																										H ₂ SO ₄ : H ₂ NaOH: Na																					
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No																		H ₃ PO ₄ : HP																					
Received Intact:		Yes No		Thermometer ID:		IR 8		NaHSO ₄ : NABIS																																							
Cooler Custody Seals:		Yes No N/A		Correction Factor:				Na ₂ S ₂ O ₃ : NaSO ₃																																							
Sample Custody Seals:		Yes No N/A		Temperature Reading:		8.8		Zn Acetate+NaOH: Zn																																							
Total Containers:				Corrected Temperature:				NaOH+Ascorbic Acid: SAPC																																							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont																		Sample Comments																	
T-1 (3')		3/25/2025				X				G		1																																			
T-4 (3')		3/25/2025				X				G		1																																			

Comments:			
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Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
<i>Ivan Ramirez</i>		3/27/25 @ 14:15		<i>[Signature]</i>		3/27/25 14:20	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-56136-1

SDG Number: Lea County, New Mexico

Login Number: 56136

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/1/2025 12:44:17 PM

JOB DESCRIPTION

Federal 26 A Battery
Lea County, New Mexico

JOB NUMBER

880-56137-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
4/1/2025 12:44:17 PM

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

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Laboratory Job ID: 880-56137-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56137-1
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
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: Federal 26 A Battery

Job ID: 880-56137-1

Job ID: 880-56137-1

Eurofins Midland

Job Narrative 880-56137-1

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

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

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

Receipt

The samples were received on 3/27/2025 2:15 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 0.5°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-106288 and analytical batch 880-106416. The associated laboratory control sample (LCS) met acceptance criteria.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-106288/3-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

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-106318 and analytical batch 880-106371 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: T-3 (2') (880-56137-3), T-4 (2') (880-56137-4), (880-56137-A-3-D MS) and (880-56137-A-3-E MSD).

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56137-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (2')

Lab Sample ID: 880-56137-1

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 09:12	03/28/25 12:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/28/25 09:12	03/28/25 12:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/28/25 09:12	03/28/25 12:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/28/25 09:12	03/28/25 12:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/28/25 09:12	03/28/25 12:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/28/25 09:12	03/28/25 12:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	03/28/25 09:12	03/28/25 12:13	1
1,4-Difluorobenzene (Surr)	84		70 - 130	03/28/25 09:12	03/28/25 12:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/28/25 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	<50.0	U	50.0		mg/Kg			03/30/25 03:35	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	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 03:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 03:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 03:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	03/28/25 06:57	03/30/25 03:35	1
o-Terphenyl	105		70 - 130	03/28/25 06:57	03/30/25 03:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2520		49.7		mg/Kg			03/31/25 18:43	5

Client Sample ID: T-2 (2')

Lab Sample ID: 880-56137-2

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 09:12	03/28/25 12:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 12:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 12:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/28/25 09:12	03/28/25 12:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 12:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/28/25 09:12	03/28/25 12:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	03/28/25 09:12	03/28/25 12:33	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/28/25 09:12	03/28/25 12:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56137-1
SDG: Lea County, New Mexico

Client Sample ID: T-2 (2')

Lab Sample ID: 880-56137-2

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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			03/28/25 12:33	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			03/30/25 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	49.8		mg/Kg		03/28/25 06:57	03/30/25 03:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/28/25 06:57	03/30/25 03:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/28/25 06:57	03/30/25 03:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				03/28/25 06:57	03/30/25 03:51	1
o-Terphenyl	103		70 - 130				03/28/25 06:57	03/30/25 03:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	161		9.96		mg/Kg			03/31/25 18:49	1

Client Sample ID: T-3 (2')

Lab Sample ID: 880-56137-3

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 09:12	03/28/25 12:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/28/25 09:12	03/28/25 12:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/28/25 09:12	03/28/25 12:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/28/25 09:12	03/28/25 12:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/28/25 09:12	03/28/25 12:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/28/25 09:12	03/28/25 12:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				03/28/25 09:12	03/28/25 12:54	1
1,4-Difluorobenzene (Surr)	94		70 - 130				03/28/25 09:12	03/28/25 12:54	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			03/28/25 12:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/30/25 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		03/28/25 06:57	03/30/25 04:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 04:06	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56137-1
SDG: Lea County, New Mexico

Client Sample ID: T-3 (2')

Lab Sample ID: 880-56137-3

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 06:57	03/30/25 04:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				03/28/25 06:57	03/30/25 04:06	1
o-Terphenyl	112		70 - 130				03/28/25 06:57	03/30/25 04:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	627	F1	9.92		mg/Kg			03/31/25 18:55	1

Client Sample ID: T-4 (2')

Lab Sample ID: 880-56137-4

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 09:12	03/28/25 13:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/28/25 09:12	03/28/25 13:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/28/25 09:12	03/28/25 13:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/28/25 09:12	03/28/25 13:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/28/25 09:12	03/28/25 13:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/28/25 09:12	03/28/25 13:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				03/28/25 09:12	03/28/25 13:14	1
1,4-Difluorobenzene (Surr)	95		70 - 130				03/28/25 09:12	03/28/25 13:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/28/25 13:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			03/30/25 04:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		03/28/25 06:57	03/30/25 04:23	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		03/28/25 06:57	03/30/25 04:23	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		03/28/25 06:57	03/30/25 04:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				03/28/25 06:57	03/30/25 04:23	1
o-Terphenyl	102		70 - 130				03/28/25 06:57	03/30/25 04:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	266		9.98		mg/Kg			03/31/25 19:12	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56137-1
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)
880-56137-1	T-1 (2')	103	84
880-56137-1 MS	T-1 (2')	96	101
880-56137-1 MSD	T-1 (2')	95	105
880-56137-2	T-2 (2')	90	100
880-56137-3	T-3 (2')	95	94
880-56137-4	T-4 (2')	96	95
LCS 880-106306/1-A	Lab Control Sample	89	103
LCSD 880-106306/2-A	Lab Control Sample Dup	97	107
MB 880-106306/5-A	Method Blank	97	74
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)
880-56137-1	T-1 (2')	110	105
880-56137-2	T-2 (2')	109	103
880-56137-3	T-3 (2')	119	112
880-56137-4	T-4 (2')	117	102
890-7866-A-2-B MS	Matrix Spike	114	114
890-7866-A-2-C MSD	Matrix Spike Duplicate	118	117
LCS 880-106288/2-A	Lab Control Sample	105	114
LCSD 880-106288/3-A	Lab Control Sample Dup	146 S1+	133 S1+
MB 880-106288/1-A	Method Blank	112	111
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56137-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-106306/5-A

Matrix: Solid

Analysis Batch: 106300

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106306

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 11:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 11:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 11:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/28/25 09:12	03/28/25 11:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 11:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/28/25 09:12	03/28/25 11:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	03/28/25 09:12	03/28/25 11:51	1
1,4-Difluorobenzene (Surr)	74		70 - 130	03/28/25 09:12	03/28/25 11:51	1

Lab Sample ID: LCS 880-106306/1-A

Matrix: Solid

Analysis Batch: 106300

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106306

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1041		mg/Kg		104	70 - 130
Toluene	0.100	0.09493		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.09857		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.1894		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09057		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-106306/2-A

Matrix: Solid

Analysis Batch: 106300

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106306

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09804		mg/Kg		98	70 - 130	6	35
Toluene	0.100	0.09065		mg/Kg		91	70 - 130	5	35
Ethylbenzene	0.100	0.09233		mg/Kg		92	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1786		mg/Kg		89	70 - 130	6	35
o-Xylene	0.100	0.08391		mg/Kg		84	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-56137-1 MS

Matrix: Solid

Analysis Batch: 106300

Client Sample ID: T-1 (2')

Prep Type: Total/NA

Prep Batch: 106306

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.1070		mg/Kg		105	70 - 130
Toluene	<0.00201	U	0.100	0.09683		mg/Kg		97	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56137-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56137-1 MS

Matrix: Solid

Analysis Batch: 106300

Client Sample ID: T-1 (2')

Prep Type: Total/NA

Prep Batch: 106306

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.1000		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1923		mg/Kg		96	70 - 130
o-Xylene	<0.00201	U	0.100	0.09131		mg/Kg		91	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-56137-1 MSD

Matrix: Solid

Analysis Batch: 106300

Client Sample ID: T-1 (2')

Prep Type: Total/NA

Prep Batch: 106306

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.1078		mg/Kg		106	70 - 130	1	35
Toluene	<0.00201	U	0.100	0.09926		mg/Kg		99	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.100	0.1023		mg/Kg		102	70 - 130	2	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1959		mg/Kg		98	70 - 130	2	35
o-Xylene	<0.00201	U	0.100	0.09222		mg/Kg		92	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

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

Lab Sample ID: MB 880-106288/1-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106288

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		03/28/25 06:57	03/30/25 00:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 00:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 00:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	03/28/25 06:57	03/30/25 00:40	1
o-Terphenyl	111		70 - 130	03/28/25 06:57	03/30/25 00:40	1

Lab Sample ID: LCS 880-106288/2-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	922.3		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1031		mg/Kg		103	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56137-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-106288/2-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106288

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: LCSD 880-106288/3-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106288

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1054		mg/Kg		105	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	1000	1150		mg/Kg		115	70 - 130	11	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	146	S1+	70 - 130
o-Terphenyl	133	S1+	70 - 130

Lab Sample ID: 890-7866-A-2-B MS

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106288

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	996	<49.8	U F1	mg/Kg		0	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: 890-7866-A-2-C MSD

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106288

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	996	<49.8	U F1	mg/Kg		0	70 - 130	NC	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130	NC	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	117		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56137-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-106318/1-A
Matrix: Solid
Analysis Batch: 106371

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			03/31/25 17:17	1

Lab Sample ID: LCS 880-106318/2-A
Matrix: Solid
Analysis Batch: 106371

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.3		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-106318/3-A
Matrix: Solid
Analysis Batch: 106371

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	251.9		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-56137-3 MS
Matrix: Solid
Analysis Batch: 106371

Client Sample ID: T-3 (2')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	627	F1	248	846.2	F1	mg/Kg		88	90 - 110

Lab Sample ID: 880-56137-3 MSD
Matrix: Solid
Analysis Batch: 106371

Client Sample ID: T-3 (2')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	627	F1	248	846.4	F1	mg/Kg		88	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56137-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 106300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56137-1	T-1 (2')	Total/NA	Solid	8021B	106306
880-56137-2	T-2 (2')	Total/NA	Solid	8021B	106306
880-56137-3	T-3 (2')	Total/NA	Solid	8021B	106306
880-56137-4	T-4 (2')	Total/NA	Solid	8021B	106306
MB 880-106306/5-A	Method Blank	Total/NA	Solid	8021B	106306
LCS 880-106306/1-A	Lab Control Sample	Total/NA	Solid	8021B	106306
LCSD 880-106306/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	106306
880-56137-1 MS	T-1 (2')	Total/NA	Solid	8021B	106306
880-56137-1 MSD	T-1 (2')	Total/NA	Solid	8021B	106306

Prep Batch: 106306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56137-1	T-1 (2')	Total/NA	Solid	5035	
880-56137-2	T-2 (2')	Total/NA	Solid	5035	
880-56137-3	T-3 (2')	Total/NA	Solid	5035	
880-56137-4	T-4 (2')	Total/NA	Solid	5035	
MB 880-106306/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-106306/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-106306/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-56137-1 MS	T-1 (2')	Total/NA	Solid	5035	
880-56137-1 MSD	T-1 (2')	Total/NA	Solid	5035	

Analysis Batch: 106480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56137-1	T-1 (2')	Total/NA	Solid	Total BTEX	
880-56137-2	T-2 (2')	Total/NA	Solid	Total BTEX	
880-56137-3	T-3 (2')	Total/NA	Solid	Total BTEX	
880-56137-4	T-4 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 106288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56137-1	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-56137-2	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-56137-3	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-56137-4	T-4 (2')	Total/NA	Solid	8015NM Prep	
MB 880-106288/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-106288/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-106288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7866-A-2-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7866-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 106416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56137-1	T-1 (2')	Total/NA	Solid	8015B NM	106288
880-56137-2	T-2 (2')	Total/NA	Solid	8015B NM	106288
880-56137-3	T-3 (2')	Total/NA	Solid	8015B NM	106288
880-56137-4	T-4 (2')	Total/NA	Solid	8015B NM	106288
MB 880-106288/1-A	Method Blank	Total/NA	Solid	8015B NM	106288
LCS 880-106288/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	106288

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56137-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 106416 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-106288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	106288
890-7866-A-2-B MS	Matrix Spike	Total/NA	Solid	8015B NM	106288
890-7866-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	106288

Analysis Batch: 106552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56137-1	T-1 (2')	Total/NA	Solid	8015 NM	
880-56137-2	T-2 (2')	Total/NA	Solid	8015 NM	
880-56137-3	T-3 (2')	Total/NA	Solid	8015 NM	
880-56137-4	T-4 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 106318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56137-1	T-1 (2')	Soluble	Solid	DI Leach	
880-56137-2	T-2 (2')	Soluble	Solid	DI Leach	
880-56137-3	T-3 (2')	Soluble	Solid	DI Leach	
880-56137-4	T-4 (2')	Soluble	Solid	DI Leach	
MB 880-106318/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-106318/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-106318/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-56137-3 MS	T-3 (2')	Soluble	Solid	DI Leach	
880-56137-3 MSD	T-3 (2')	Soluble	Solid	DI Leach	

Analysis Batch: 106371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56137-1	T-1 (2')	Soluble	Solid	300.0	106318
880-56137-2	T-2 (2')	Soluble	Solid	300.0	106318
880-56137-3	T-3 (2')	Soluble	Solid	300.0	106318
880-56137-4	T-4 (2')	Soluble	Solid	300.0	106318
MB 880-106318/1-A	Method Blank	Soluble	Solid	300.0	106318
LCS 880-106318/2-A	Lab Control Sample	Soluble	Solid	300.0	106318
LCSD 880-106318/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	106318
880-56137-3 MS	T-3 (2')	Soluble	Solid	300.0	106318
880-56137-3 MSD	T-3 (2')	Soluble	Solid	300.0	106318

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56137-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (2')

Lab Sample ID: 880-56137-1

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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	106306	03/28/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106300	03/28/25 12:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106480	03/28/25 12:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106552	03/30/25 03:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	106288	03/28/25 06:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106416	03/30/25 03:35	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	106318	03/28/25 10:15	SMC	EET MID
Soluble	Analysis	300.0		5			106371	03/31/25 18:43	SMC	EET MID

Client Sample ID: T-2 (2')

Lab Sample ID: 880-56137-2

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

Prep 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	106306	03/28/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106300	03/28/25 12:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106480	03/28/25 12:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106552	03/30/25 03:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	106288	03/28/25 06:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106416	03/30/25 03:51	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	106318	03/28/25 10:15	SMC	EET MID
Soluble	Analysis	300.0		1			106371	03/31/25 18:49	SMC	EET MID

Client Sample ID: T-3 (2')

Lab Sample ID: 880-56137-3

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

Prep 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	106306	03/28/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106300	03/28/25 12:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106480	03/28/25 12:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106552	03/30/25 04:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	106288	03/28/25 06:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106416	03/30/25 04:06	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	106318	03/28/25 10:15	SMC	EET MID
Soluble	Analysis	300.0		1			106371	03/31/25 18:55	SMC	EET MID

Client Sample ID: T-4 (2')

Lab Sample ID: 880-56137-4

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

Prep 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	106306	03/28/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106300	03/28/25 13:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106480	03/28/25 13:14	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56137-1
SDG: Lea County, New Mexico

Client Sample ID: T-4 (2')

Date Collected: 03/25/25 00:00

Date Received: 03/27/25 14:15

Lab Sample ID: 880-56137-4

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			106552	03/30/25 04:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	106288	03/28/25 06:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106416	03/30/25 04:23	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	106318	03/28/25 10:15	SMC	EET MID
Soluble	Analysis	300.0		1			106371	03/31/25 19:12	SMC	EET MID

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56137-1
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	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56137-1
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: Federal 26 A Battery

Job ID: 880-56137-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-56137-1	T-1 (2')	Solid	03/25/25 00:00	03/27/25 14:15
880-56137-2	T-2 (2')	Solid	03/25/25 00:00	03/27/25 14:15
880-56137-3	T-3 (2')	Solid	03/25/25 00:00	03/27/25 14:15
880-56137-4	T-4 (2')	Solid	03/25/25 00:00	03/27/25 14:15

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Project Manager:	Conner Moehring	Bill to: (if different)	Grant Huckabay & Addison Guekler
Company Name:	Carmona Resources	Company Name:	Fasken Oil and Ranch
Address:	310 W Wall St Ste 500	Address:	6101 Holiday Hill Road
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79707
Phone:	432-813-6823	Email:	Granth@forl.com & addisong@forl.com

[illegible]

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Lawrence Brannon</i>	3/27/25 @ 14:15	<i>[Signature]</i>	3/27/25 1406

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-56137-1

SDG Number: Lea County, New Mexico

Login Number: 56137

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/1/2025 12:44:47 PM

JOB DESCRIPTION

Federal 26 A Battery
Lea County, New Mexico

JOB NUMBER

880-56138-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
4/1/2025 12:44:47 PM

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

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Laboratory Job ID: 880-56138-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56138-1
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
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: Federal 26 A Battery

Job ID: 880-56138-1

Job ID: 880-56138-1

Eurofins Midland

Job Narrative 880-56138-1

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

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

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

Receipt

The samples were received on 3/27/2025 2:15 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 0.5°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-106288 and analytical batch 880-106416. The associated laboratory control sample (LCS) met acceptance criteria.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-106288/3-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

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-106318 and analytical batch 880-106371 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: T-1 (1.5') (880-56138-1), T-2 (1.5') (880-56138-2), T-3 (1.5') (880-56138-3), T-4 (1.5') (880-56138-4), (880-56137-A-3-C), (880-56137-A-3-D MS) and (880-56137-A-3-E MSD).

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56138-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-56138-1

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 09:12	03/28/25 13:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/28/25 09:12	03/28/25 13:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/28/25 09:12	03/28/25 13:35	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/28/25 09:12	03/28/25 13:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/28/25 09:12	03/28/25 13:35	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/28/25 09:12	03/28/25 13:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	03/28/25 09:12	03/28/25 13:35	1
1,4-Difluorobenzene (Surr)	93		70 - 130	03/28/25 09:12	03/28/25 13:35	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			03/28/25 13:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/30/25 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	<49.8	U	49.8		mg/Kg		03/28/25 06:57	03/30/25 04:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/28/25 06:57	03/30/25 04:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/28/25 06:57	03/30/25 04:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	03/28/25 06:57	03/30/25 04:54	1
o-Terphenyl	103		70 - 130	03/28/25 06:57	03/30/25 04:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	751		10.0		mg/Kg			03/31/25 19:18	1

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-56138-2

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00258		0.00200		mg/Kg		03/28/25 09:12	03/28/25 13:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 13:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 13:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/28/25 09:12	03/28/25 13:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 13:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/28/25 09:12	03/28/25 13:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	03/28/25 09:12	03/28/25 13:55	1
1,4-Difluorobenzene (Surr)	91		70 - 130	03/28/25 09:12	03/28/25 13:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56138-1
SDG: Lea County, New Mexico

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-56138-2

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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			03/28/25 13:55	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			03/30/25 05:10	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		03/28/25 06:57	03/30/25 05:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/28/25 06:57	03/30/25 05:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/28/25 06:57	03/30/25 05:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				03/28/25 06:57	03/30/25 05:10	1
o-Terphenyl	97		70 - 130				03/28/25 06:57	03/30/25 05:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	323		10.1		mg/Kg			03/31/25 19:35	1

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-56138-3

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 09:12	03/28/25 14:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 14:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 14:16	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/28/25 09:12	03/28/25 14:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 14:16	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/28/25 09:12	03/28/25 14:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				03/28/25 09:12	03/28/25 14:16	1
1,4-Difluorobenzene (Surr)	89		70 - 130				03/28/25 09:12	03/28/25 14:16	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			03/28/25 14:16	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			03/30/25 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	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 05:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 05:26	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56138-1
SDG: Lea County, New Mexico

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-56138-3

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 06:57	03/30/25 05:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				03/28/25 06:57	03/30/25 05:26	1
o-Terphenyl	96		70 - 130				03/28/25 06:57	03/30/25 05:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	788		10.1		mg/Kg			03/31/25 19:41	1

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-56138-4

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 09:12	03/28/25 14:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/28/25 09:12	03/28/25 14:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/28/25 09:12	03/28/25 14:36	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/28/25 09:12	03/28/25 14:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/28/25 09:12	03/28/25 14:36	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/28/25 09:12	03/28/25 14:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				03/28/25 09:12	03/28/25 14:36	1
1,4-Difluorobenzene (Surr)	92		70 - 130				03/28/25 09:12	03/28/25 14:36	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			03/28/25 14:36	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			03/30/25 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	<49.9	U	49.9		mg/Kg		03/28/25 06:57	03/30/25 05:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/28/25 06:57	03/30/25 05:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/28/25 06:57	03/30/25 05:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				03/28/25 06:57	03/30/25 05:42	1
o-Terphenyl	100		70 - 130				03/28/25 06:57	03/30/25 05:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	178		10.1		mg/Kg			03/31/25 19:46	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56138-1
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)
880-56137-A-1-B MS	Matrix Spike	96	101
880-56137-A-1-C MSD	Matrix Spike Duplicate	95	105
880-56138-1	T-1 (1.5')	107	93
880-56138-2	T-2 (1.5')	100	91
880-56138-3	T-3 (1.5')	95	89
880-56138-4	T-4 (1.5')	96	92
LCS 880-106306/1-A	Lab Control Sample	89	103
LCSD 880-106306/2-A	Lab Control Sample Dup	97	107
MB 880-106306/5-A	Method Blank	97	74
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)
880-56138-1	T-1 (1.5')	110	103
880-56138-2	T-2 (1.5')	106	97
880-56138-3	T-3 (1.5')	103	96
880-56138-4	T-4 (1.5')	108	100
890-7866-A-2-B MS	Matrix Spike	114	114
890-7866-A-2-C MSD	Matrix Spike Duplicate	118	117
LCS 880-106288/2-A	Lab Control Sample	105	114
LCSD 880-106288/3-A	Lab Control Sample Dup	146 S1+	133 S1+
MB 880-106288/1-A	Method Blank	112	111
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56138-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-106306/5-A

Matrix: Solid

Analysis Batch: 106300

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106306

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 11:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 11:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 11:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/28/25 09:12	03/28/25 11:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 11:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/28/25 09:12	03/28/25 11:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	03/28/25 09:12	03/28/25 11:51	1
1,4-Difluorobenzene (Surr)	74		70 - 130	03/28/25 09:12	03/28/25 11:51	1

Lab Sample ID: LCS 880-106306/1-A

Matrix: Solid

Analysis Batch: 106300

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106306

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1041		mg/Kg		104	70 - 130
Toluene	0.100	0.09493		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.09857		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.1894		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09057		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-106306/2-A

Matrix: Solid

Analysis Batch: 106300

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106306

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09804		mg/Kg		98	70 - 130	6	35
Toluene	0.100	0.09065		mg/Kg		91	70 - 130	5	35
Ethylbenzene	0.100	0.09233		mg/Kg		92	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1786		mg/Kg		89	70 - 130	6	35
o-Xylene	0.100	0.08391		mg/Kg		84	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-56137-A-1-B MS

Matrix: Solid

Analysis Batch: 106300

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106306

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.1070		mg/Kg		105	70 - 130
Toluene	<0.00201	U	0.100	0.09683		mg/Kg		97	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56138-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56137-A-1-B MS

Matrix: Solid

Analysis Batch: 106300

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106306

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.1000		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1923		mg/Kg		96	70 - 130
o-Xylene	<0.00201	U	0.100	0.09131		mg/Kg		91	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-56137-A-1-C MSD

Matrix: Solid

Analysis Batch: 106300

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106306

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.1078		mg/Kg		106	70 - 130	1	35
Toluene	<0.00201	U	0.100	0.09926		mg/Kg		99	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.100	0.1023		mg/Kg		102	70 - 130	2	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1959		mg/Kg		98	70 - 130	2	35
o-Xylene	<0.00201	U	0.100	0.09222		mg/Kg		92	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

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

Lab Sample ID: MB 880-106288/1-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106288

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		03/28/25 06:57	03/30/25 00:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 00:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 00:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	03/28/25 06:57	03/30/25 00:40	1
o-Terphenyl	111		70 - 130	03/28/25 06:57	03/30/25 00:40	1

Lab Sample ID: LCS 880-106288/2-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	922.3		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1031		mg/Kg		103	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56138-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-106288/2-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106288

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: LCSD 880-106288/3-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106288

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1054		mg/Kg		105	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	1000	1150		mg/Kg		115	70 - 130	11	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	146	S1+	70 - 130
o-Terphenyl	133	S1+	70 - 130

Lab Sample ID: 890-7866-A-2-B MS

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106288

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	996	<49.8	U F1	mg/Kg		0	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: 890-7866-A-2-C MSD

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106288

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	996	<49.8	U F1	mg/Kg		0	70 - 130	NC	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130	NC	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	117		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56138-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-106318/1-A

Matrix: Solid

Analysis Batch: 106371

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			03/31/25 17:17	1

Lab Sample ID: LCS 880-106318/2-A

Matrix: Solid

Analysis Batch: 106371

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.3		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-106318/3-A

Matrix: Solid

Analysis Batch: 106371

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	251.9		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-56137-A-3-D MS

Matrix: Solid

Analysis Batch: 106371

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	627	F1	248	846.2	F1	mg/Kg		88	90 - 110

Lab Sample ID: 880-56137-A-3-E MSD

Matrix: Solid

Analysis Batch: 106371

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	627	F1	248	846.4	F1	mg/Kg		88	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56138-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 106300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56138-1	T-1 (1.5')	Total/NA	Solid	8021B	106306
880-56138-2	T-2 (1.5')	Total/NA	Solid	8021B	106306
880-56138-3	T-3 (1.5')	Total/NA	Solid	8021B	106306
880-56138-4	T-4 (1.5')	Total/NA	Solid	8021B	106306
MB 880-106306/5-A	Method Blank	Total/NA	Solid	8021B	106306
LCS 880-106306/1-A	Lab Control Sample	Total/NA	Solid	8021B	106306
LCSD 880-106306/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	106306
880-56137-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	106306
880-56137-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	106306

Prep Batch: 106306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56138-1	T-1 (1.5')	Total/NA	Solid	5035	
880-56138-2	T-2 (1.5')	Total/NA	Solid	5035	
880-56138-3	T-3 (1.5')	Total/NA	Solid	5035	
880-56138-4	T-4 (1.5')	Total/NA	Solid	5035	
MB 880-106306/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-106306/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-106306/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-56137-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-56137-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 106481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56138-1	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-56138-2	T-2 (1.5')	Total/NA	Solid	Total BTEX	
880-56138-3	T-3 (1.5')	Total/NA	Solid	Total BTEX	
880-56138-4	T-4 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 106288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56138-1	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-56138-2	T-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-56138-3	T-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-56138-4	T-4 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-106288/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-106288/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-106288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7866-A-2-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7866-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 106416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56138-1	T-1 (1.5')	Total/NA	Solid	8015B NM	106288
880-56138-2	T-2 (1.5')	Total/NA	Solid	8015B NM	106288
880-56138-3	T-3 (1.5')	Total/NA	Solid	8015B NM	106288
880-56138-4	T-4 (1.5')	Total/NA	Solid	8015B NM	106288
MB 880-106288/1-A	Method Blank	Total/NA	Solid	8015B NM	106288
LCS 880-106288/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	106288

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56138-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 106416 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-106288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	106288
890-7866-A-2-B MS	Matrix Spike	Total/NA	Solid	8015B NM	106288
890-7866-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	106288

Analysis Batch: 106553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56138-1	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-56138-2	T-2 (1.5')	Total/NA	Solid	8015 NM	
880-56138-3	T-3 (1.5')	Total/NA	Solid	8015 NM	
880-56138-4	T-4 (1.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 106318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56138-1	T-1 (1.5')	Soluble	Solid	DI Leach	
880-56138-2	T-2 (1.5')	Soluble	Solid	DI Leach	
880-56138-3	T-3 (1.5')	Soluble	Solid	DI Leach	
880-56138-4	T-4 (1.5')	Soluble	Solid	DI Leach	
MB 880-106318/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-106318/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-106318/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-56137-A-3-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-56137-A-3-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 106371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56138-1	T-1 (1.5')	Soluble	Solid	300.0	106318
880-56138-2	T-2 (1.5')	Soluble	Solid	300.0	106318
880-56138-3	T-3 (1.5')	Soluble	Solid	300.0	106318
880-56138-4	T-4 (1.5')	Soluble	Solid	300.0	106318
MB 880-106318/1-A	Method Blank	Soluble	Solid	300.0	106318
LCS 880-106318/2-A	Lab Control Sample	Soluble	Solid	300.0	106318
LCSD 880-106318/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	106318
880-56137-A-3-D MS	Matrix Spike	Soluble	Solid	300.0	106318
880-56137-A-3-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	106318

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56138-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-56138-1

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

Prep 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	106306	03/28/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106300	03/28/25 13:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106481	03/28/25 13:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106553	03/30/25 04:54	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	106288	03/28/25 06:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106416	03/30/25 04:54	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	106318	03/28/25 10:15	SMC	EET MID
Soluble	Analysis	300.0		1			106371	03/31/25 19:18	SMC	EET MID

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-56138-2

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

Prep 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	106306	03/28/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106300	03/28/25 13:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106481	03/28/25 13:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106553	03/30/25 05:10	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	106288	03/28/25 06:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106416	03/30/25 05:10	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	106318	03/28/25 10:15	SMC	EET MID
Soluble	Analysis	300.0		1			106371	03/31/25 19:35	SMC	EET MID

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-56138-3

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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	106306	03/28/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106300	03/28/25 14:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106481	03/28/25 14:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106553	03/30/25 05:26	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	106288	03/28/25 06:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106416	03/30/25 05:26	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	106318	03/28/25 10:15	SMC	EET MID
Soluble	Analysis	300.0		1			106371	03/31/25 19:41	SMC	EET MID

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-56138-4

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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	106306	03/28/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106300	03/28/25 14:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106481	03/28/25 14:36	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56138-1
SDG: Lea County, New Mexico

Client Sample ID: T-4 (1.5')
Date Collected: 03/25/25 00:00
Date Received: 03/27/25 14:15

Lab Sample ID: 880-56138-4
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			106553	03/30/25 05:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	106288	03/28/25 06:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106416	03/30/25 05:42	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	106318	03/28/25 10:15	SMC	EET MID
Soluble	Analysis	300.0		1			106371	03/31/25 19:46	SMC	EET MID

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56138-1
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	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56138-1
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: Federal 26 A Battery

Job ID: 880-56138-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-56138-1	T-1 (1.5')	Solid	03/25/25 00:00	03/27/25 14:15
880-56138-2	T-2 (1.5')	Solid	03/25/25 00:00	03/27/25 14:15
880-56138-3	T-3 (1.5')	Solid	03/25/25 00:00	03/27/25 14:15
880-56138-4	T-4 (1.5')	Solid	03/25/25 00:00	03/27/25 14:15

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880-56138 Chain of Custody

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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: ☐

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	3/27/25 @ 14:15		3/27/25 Hb2

Age Group	Number of People
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-56138-1
SDG Number: Lea County, New Mexico

Login Number: 56138

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/1/2025 12:45:44 PM

JOB DESCRIPTION

Federal 26 A Battery
Lea County, New Mexico

JOB NUMBER

880-56139-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



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4/1/2025 12:45:44 PM

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

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Laboratory Job ID: 880-56139-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56139-1
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
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: Federal 26 A Battery

Job ID: 880-56139-1

Job ID: 880-56139-1

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Job Narrative
880-56139-1

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

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

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

Receipt

The samples were received on 3/27/2025 2:15 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 0.5°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: T-1 (0-1') (880-56139-1), T-2 (0-1') (880-56139-2), T-3 (0-1') (880-56139-3) and T-4 (0-1') (880-56139-4).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-106288 and analytical batch 880-106416. The associated laboratory control sample (LCS) met acceptance criteria.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-106288/3-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

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-106327 and analytical batch 880-106572 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: T-2 (0-1') (880-56139-2), T-3 (0-1') (880-56139-3), T-4 (0-1') (880-56139-4), (880-56139-A-2-D MS) and (880-56139-A-2-E MSD).

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-106318 and analytical batch 880-106371 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: T-1 (0-1') (880-56139-1), (880-56137-A-3-C), (880-56137-A-3-D MS) and (880-56137-A-3-E MSD).

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56139-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (0-1')

Lab Sample ID: 880-56139-1

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 09:12	03/28/25 14:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 14:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 14:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/28/25 09:12	03/28/25 14:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 14:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/28/25 09:12	03/28/25 14:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	03/28/25 09:12	03/28/25 14:57	1
1,4-Difluorobenzene (Surr)	89		70 - 130	03/28/25 09:12	03/28/25 14:57	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			03/28/25 14:57	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			03/30/25 05:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/28/25 06:57	03/30/25 05:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/28/25 06:57	03/30/25 05:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/28/25 06:57	03/30/25 05:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	03/28/25 06:57	03/30/25 05:57	1
o-Terphenyl	96		70 - 130	03/28/25 06:57	03/30/25 05:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27100		504		mg/Kg			03/31/25 19:52	50

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-56139-2

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 09:12	03/28/25 15:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 15:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 15:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/28/25 09:12	03/28/25 15:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 15:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/28/25 09:12	03/28/25 15:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	03/28/25 09:12	03/28/25 15:17	1
1,4-Difluorobenzene (Surr)	90		70 - 130	03/28/25 09:12	03/28/25 15:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56139-1
SDG: Lea County, New Mexico

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-56139-2

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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			03/28/25 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	757		49.9		mg/Kg			03/30/25 06:14	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		03/28/25 06:57	03/30/25 06:14	1
Diesel Range Organics (Over C10-C28)	757		49.9		mg/Kg		03/28/25 06:57	03/30/25 06:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/28/25 06:57	03/30/25 06:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				03/28/25 06:57	03/30/25 06:14	1
o-Terphenyl	112		70 - 130				03/28/25 06:57	03/30/25 06:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23500	F1	497		mg/Kg			04/01/25 01:00	50

Client Sample ID: T-3 (0-1')

Lab Sample ID: 880-56139-3

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 09:12	03/28/25 16:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 16:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 16:51	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/28/25 09:12	03/28/25 16:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 16:51	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/28/25 09:12	03/28/25 16:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				03/28/25 09:12	03/28/25 16:51	1
1,4-Difluorobenzene (Surr)	81		70 - 130				03/28/25 09:12	03/28/25 16:51	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			03/28/25 16:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/30/25 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	<49.8	U	49.8		mg/Kg		03/28/25 06:57	03/30/25 06:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/28/25 06:57	03/30/25 06:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56139-1
SDG: Lea County, New Mexico

Client Sample ID: T-3 (0-1')

Lab Sample ID: 880-56139-3

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 06:57	03/30/25 06:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				03/28/25 06:57	03/30/25 06:30	1
o-Terphenyl	108		70 - 130				03/28/25 06:57	03/30/25 06:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42100		496		mg/Kg			04/01/25 01:21	50

Client Sample ID: T-4 (0-1')

Lab Sample ID: 880-56139-4

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 09:12	03/28/25 17:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/28/25 09:12	03/28/25 17:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/28/25 09:12	03/28/25 17:12	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/28/25 09:12	03/28/25 17:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/28/25 09:12	03/28/25 17:12	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/28/25 09:12	03/28/25 17:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				03/28/25 09:12	03/28/25 17:12	1
1,4-Difluorobenzene (Surr)	90		70 - 130				03/28/25 09:12	03/28/25 17:12	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			03/28/25 17:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			03/30/25 06:45	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	<49.7	U	49.7		mg/Kg		03/28/25 06:57	03/30/25 06:45	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		03/28/25 06:57	03/30/25 06:45	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		03/28/25 06:57	03/30/25 06:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				03/28/25 06:57	03/30/25 06:45	1
o-Terphenyl	107		70 - 130				03/28/25 06:57	03/30/25 06:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13400		198		mg/Kg			04/01/25 01:29	20

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Surrogate Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56139-1
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)
880-56137-A-1-B MS	Matrix Spike	96	101
880-56137-A-1-C MSD	Matrix Spike Duplicate	95	105
880-56139-1	T-1 (0-1')	96	89
880-56139-2	T-2 (0-1')	94	90
880-56139-3	T-3 (0-1')	96	81
880-56139-4	T-4 (0-1')	93	90
LCS 880-106306/1-A	Lab Control Sample	89	103
LCSD 880-106306/2-A	Lab Control Sample Dup	97	107
MB 880-106306/5-A	Method Blank	97	74
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)
880-56139-1	T-1 (0-1')	98	96
880-56139-2	T-2 (0-1')	115	112
880-56139-3	T-3 (0-1')	109	108
880-56139-4	T-4 (0-1')	110	107
890-7866-A-2-B MS	Matrix Spike	114	114
890-7866-A-2-C MSD	Matrix Spike Duplicate	118	117
LCS 880-106288/2-A	Lab Control Sample	105	114
LCSD 880-106288/3-A	Lab Control Sample Dup	146 S1+	133 S1+
MB 880-106288/1-A	Method Blank	112	111
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56139-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-106306/5-A

Matrix: Solid

Analysis Batch: 106300

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106306

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 11:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 11:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 11:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/28/25 09:12	03/28/25 11:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 11:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/28/25 09:12	03/28/25 11:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	03/28/25 09:12	03/28/25 11:51	1
1,4-Difluorobenzene (Surr)	74		70 - 130	03/28/25 09:12	03/28/25 11:51	1

Lab Sample ID: LCS 880-106306/1-A

Matrix: Solid

Analysis Batch: 106300

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106306

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1041		mg/Kg		104	70 - 130
Toluene	0.100	0.09493		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.09857		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.1894		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09057		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-106306/2-A

Matrix: Solid

Analysis Batch: 106300

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106306

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09804		mg/Kg		98	70 - 130	6	35
Toluene	0.100	0.09065		mg/Kg		91	70 - 130	5	35
Ethylbenzene	0.100	0.09233		mg/Kg		92	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1786		mg/Kg		89	70 - 130	6	35
o-Xylene	0.100	0.08391		mg/Kg		84	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-56137-A-1-B MS

Matrix: Solid

Analysis Batch: 106300

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106306

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.1070		mg/Kg		105	70 - 130
Toluene	<0.00201	U	0.100	0.09683		mg/Kg		97	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56139-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56137-A-1-B MS

Matrix: Solid

Analysis Batch: 106300

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106306

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.1000		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1923		mg/Kg		96	70 - 130
o-Xylene	<0.00201	U	0.100	0.09131		mg/Kg		91	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-56137-A-1-C MSD

Matrix: Solid

Analysis Batch: 106300

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106306

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.1078		mg/Kg		106	70 - 130	1	35
Toluene	<0.00201	U	0.100	0.09926		mg/Kg		99	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.100	0.1023		mg/Kg		102	70 - 130	2	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1959		mg/Kg		98	70 - 130	2	35
o-Xylene	<0.00201	U	0.100	0.09222		mg/Kg		92	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

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

Lab Sample ID: MB 880-106288/1-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106288

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		03/28/25 06:57	03/30/25 00:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 00:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 00:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	03/28/25 06:57	03/30/25 00:40	1
o-Terphenyl	111		70 - 130	03/28/25 06:57	03/30/25 00:40	1

Lab Sample ID: LCS 880-106288/2-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	922.3		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1031		mg/Kg		103	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56139-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-106288/2-A
Matrix: Solid
Analysis Batch: 106416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 106288

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: LCSD 880-106288/3-A
Matrix: Solid
Analysis Batch: 106416

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 106288

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1054		mg/Kg		105	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	1000	1150		mg/Kg		115	70 - 130	11	20
Surrogate	%Recovery	LCSD	LCSD						
1-Chlorooctane	146	S1+							
o-Terphenyl	133	S1+							

Lab Sample ID: 890-7866-A-2-B MS
Matrix: Solid
Analysis Batch: 106416

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 106288

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130		
Surrogate	%Recovery	MS	MS								
1-Chlorooctane	114										
o-Terphenyl	114										

Lab Sample ID: 890-7866-A-2-C MSD
Matrix: Solid
Analysis Batch: 106416

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 106288

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	996	<49.8	U F1	mg/Kg		0	70 - 130	NC	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130	NC	20
Surrogate	%Recovery	MSD	MSD								
1-Chlorooctane	118										
o-Terphenyl	117										

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56139-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-106318/1-A
Matrix: Solid
Analysis Batch: 106371

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			03/31/25 17:17	1

Lab Sample ID: LCS 880-106318/2-A
Matrix: Solid
Analysis Batch: 106371

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.3		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-106318/3-A
Matrix: Solid
Analysis Batch: 106371

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	251.9		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-56137-A-3-D MS
Matrix: Solid
Analysis Batch: 106371

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	627	F1	248	846.2	F1	mg/Kg		88	90 - 110

Lab Sample ID: 880-56137-A-3-E MSD
Matrix: Solid
Analysis Batch: 106371

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	627	F1	248	846.4	F1	mg/Kg		88	90 - 110	0	20

Lab Sample ID: MB 880-106327/1-A
Matrix: Solid
Analysis Batch: 106572

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			04/01/25 00:38	1

Lab Sample ID: LCS 880-106327/2-A
Matrix: Solid
Analysis Batch: 106572

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	248.2		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-106327/3-A
Matrix: Solid
Analysis Batch: 106572

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	251.7		mg/Kg		101	90 - 110	1	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56139-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-56139-2 MS											Client Sample ID: T-2 (0-1')		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 106572													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	23500	F1	12400	37620	F1	mg/Kg		114	90 - 110				

Lab Sample ID: 880-56139-2 MSD											Client Sample ID: T-2 (0-1')		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 106572													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	RPD Limit	
Chloride	23500	F1	12400	37670	F1	mg/Kg		114	90 - 110		0	20	

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56139-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 106300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56139-1	T-1 (0-1')	Total/NA	Solid	8021B	106306
880-56139-2	T-2 (0-1')	Total/NA	Solid	8021B	106306
880-56139-3	T-3 (0-1')	Total/NA	Solid	8021B	106306
880-56139-4	T-4 (0-1')	Total/NA	Solid	8021B	106306
MB 880-106306/5-A	Method Blank	Total/NA	Solid	8021B	106306
LCS 880-106306/1-A	Lab Control Sample	Total/NA	Solid	8021B	106306
LCSD 880-106306/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	106306
880-56137-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	106306
880-56137-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	106306

Prep Batch: 106306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56139-1	T-1 (0-1')	Total/NA	Solid	5035	
880-56139-2	T-2 (0-1')	Total/NA	Solid	5035	
880-56139-3	T-3 (0-1')	Total/NA	Solid	5035	
880-56139-4	T-4 (0-1')	Total/NA	Solid	5035	
MB 880-106306/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-106306/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-106306/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-56137-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-56137-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 106482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56139-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-56139-2	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-56139-3	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-56139-4	T-4 (0-1')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 106288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56139-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-56139-2	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-56139-3	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-56139-4	T-4 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-106288/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-106288/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-106288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7866-A-2-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7866-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 106416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56139-1	T-1 (0-1')	Total/NA	Solid	8015B NM	106288
880-56139-2	T-2 (0-1')	Total/NA	Solid	8015B NM	106288
880-56139-3	T-3 (0-1')	Total/NA	Solid	8015B NM	106288
880-56139-4	T-4 (0-1')	Total/NA	Solid	8015B NM	106288
MB 880-106288/1-A	Method Blank	Total/NA	Solid	8015B NM	106288
LCS 880-106288/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	106288

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56139-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 106416 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-106288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	106288
890-7866-A-2-B MS	Matrix Spike	Total/NA	Solid	8015B NM	106288
890-7866-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	106288

Analysis Batch: 106554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56139-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-56139-2	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-56139-3	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-56139-4	T-4 (0-1')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 106318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56139-1	T-1 (0-1')	Soluble	Solid	DI Leach	
MB 880-106318/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-106318/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-106318/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-56137-A-3-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-56137-A-3-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 106327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56139-2	T-2 (0-1')	Soluble	Solid	DI Leach	
880-56139-3	T-3 (0-1')	Soluble	Solid	DI Leach	
880-56139-4	T-4 (0-1')	Soluble	Solid	DI Leach	
MB 880-106327/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-106327/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-106327/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-56139-2 MS	T-2 (0-1')	Soluble	Solid	DI Leach	
880-56139-2 MSD	T-2 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 106371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56139-1	T-1 (0-1')	Soluble	Solid	300.0	106318
MB 880-106318/1-A	Method Blank	Soluble	Solid	300.0	106318
LCS 880-106318/2-A	Lab Control Sample	Soluble	Solid	300.0	106318
LCSD 880-106318/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	106318
880-56137-A-3-D MS	Matrix Spike	Soluble	Solid	300.0	106318
880-56137-A-3-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	106318

Analysis Batch: 106572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56139-2	T-2 (0-1')	Soluble	Solid	300.0	106327
880-56139-3	T-3 (0-1')	Soluble	Solid	300.0	106327
880-56139-4	T-4 (0-1')	Soluble	Solid	300.0	106327
MB 880-106327/1-A	Method Blank	Soluble	Solid	300.0	106327
LCS 880-106327/2-A	Lab Control Sample	Soluble	Solid	300.0	106327
LCSD 880-106327/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	106327
880-56139-2 MS	T-2 (0-1')	Soluble	Solid	300.0	106327

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56139-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 106572 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56139-2 MSD	T-2 (0-1')	Soluble	Solid	300.0	106327

- 1
- 2
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- 11
- 12
- 13
- 14

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56139-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (0-1')

Lab Sample ID: 880-56139-1

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

Prep 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	106306	03/28/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106300	03/28/25 14:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106482	03/28/25 14:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106554	03/30/25 05:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	106288	03/28/25 06:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106416	03/30/25 05:57	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	106318	03/28/25 10:15	SMC	EET MID
Soluble	Analysis	300.0		50			106371	03/31/25 19:52	SMC	EET MID

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-56139-2

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

Prep 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	106306	03/28/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106300	03/28/25 15:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106482	03/28/25 15:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106554	03/30/25 06:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	106288	03/28/25 06:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106416	03/30/25 06:14	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	106327	03/28/25 10:41	SMC	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	106572	04/01/25 01:00	SMC	EET MID

Client Sample ID: T-3 (0-1')

Lab Sample ID: 880-56139-3

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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	106306	03/28/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106300	03/28/25 16:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106482	03/28/25 16:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106554	03/30/25 06:30	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	106288	03/28/25 06:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106416	03/30/25 06:30	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	106327	03/28/25 10:41	SMC	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	106572	04/01/25 01:21	SMC	EET MID

Client Sample ID: T-4 (0-1')

Lab Sample ID: 880-56139-4

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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	106306	03/28/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106300	03/28/25 17:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106482	03/28/25 17:12	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56139-1
SDG: Lea County, New Mexico

Client Sample ID: T-4 (0-1')
Date Collected: 03/25/25 00:00
Date Received: 03/27/25 14:15

Lab Sample ID: 880-56139-4
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			106554	03/30/25 06:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	106288	03/28/25 06:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106416	03/30/25 06:45	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	106327	03/28/25 10:41	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	106572	04/01/25 01:29	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: Federal 26 A Battery

Job ID: 880-56139-1
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	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56139-1
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: Federal 26 A Battery

Job ID: 880-56139-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-56139-1	T-1 (0-1')	Solid	03/25/25 00:00	03/27/25 14:15
880-56139-2	T-2 (0-1')	Solid	03/25/25 00:00	03/27/25 14:15
880-56139-3	T-3 (0-1')	Solid	03/25/25 00:00	03/27/25 14:15
880-56139-4	T-4 (0-1')	Solid	03/25/25 00:00	03/27/25 14:15

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880-56139 Chain of Custody

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:					

[illegible]

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	3/27/25 @ 14:15		3/27/25 1420

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-56139-1
SDG Number: Lea County, New Mexico

Login Number: 56139

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/3/2025 11:28:49 AM

JOB DESCRIPTION

Federal 26 A Battery
Lea County, New Mexico

JOB NUMBER

880-56140-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
4/3/2025 11:28:49 AM

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

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Laboratory Job ID: 880-56140-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56140-1
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
*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: Federal 26 A Battery

Job ID: 880-56140-1

Job ID: 880-56140-1

Eurofins Midland

Job Narrative 880-56140-1

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

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

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

Receipt

The samples were received on 3/27/2025 2:15 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 0.5°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-106288 and analytical batch 880-106416. The associated laboratory control sample (LCS) met acceptance criteria.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-106288/3-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

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-106327 and analytical batch 880-106572 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: H-1 (0-0.5') (880-56140-1), H-2 (0-0.5') (880-56140-2), H-3 (0-0.5') (880-56140-3), H-4 (0-0.5') (880-56140-4), H-5 (0-0.5') (880-56140-5), H-6 (0-0.5') (880-56140-6) and H-7 (0-0.5') (880-56140-7).

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-106327 and analytical batch 880-106572 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: H-8 (0-0.5') (880-56140-8), (880-56140-A-8-D MS) and (880-56140-A-8-E MSD).

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56140-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56140-1

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 09:12	03/28/25 17:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/28/25 09:12	03/28/25 17:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/28/25 09:12	03/28/25 17:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/28/25 09:12	03/28/25 17:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/28/25 09:12	03/28/25 17:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/28/25 09:12	03/28/25 17:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	03/28/25 09:12	03/28/25 17:32	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/28/25 09:12	03/28/25 17:32	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			03/28/25 17:32	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			03/30/25 07:01	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		03/28/25 06:57	03/30/25 07:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 07:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 07:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	03/28/25 06:57	03/30/25 07:01	1
o-Terphenyl	91		70 - 130	03/28/25 06:57	03/30/25 07:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	259		9.98		mg/Kg			04/01/25 01:36	1

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

Lab Sample ID: 880-56140-2

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 09:12	03/28/25 17:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/28/25 09:12	03/28/25 17:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/28/25 09:12	03/28/25 17:53	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/28/25 09:12	03/28/25 17:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/28/25 09:12	03/28/25 17:53	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/28/25 09:12	03/28/25 17:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	03/28/25 09:12	03/28/25 17:53	1
1,4-Difluorobenzene (Surr)	88		70 - 130	03/28/25 09:12	03/28/25 17:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56140-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56140-2

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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			03/28/25 17:53	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			03/30/25 07:17	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	<49.8	U	49.8		mg/Kg		03/28/25 06:57	03/30/25 07:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/28/25 06:57	03/30/25 07:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/28/25 06:57	03/30/25 07:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				03/28/25 06:57	03/30/25 07:17	1
o-Terphenyl	92		70 - 130				03/28/25 06:57	03/30/25 07:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		9.96		mg/Kg			04/01/25 01:43	1

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

Lab Sample ID: 880-56140-3

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 09:12	03/28/25 18:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/28/25 09:12	03/28/25 18:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/28/25 09:12	03/28/25 18:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/28/25 09:12	03/28/25 18:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/28/25 09:12	03/28/25 18:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/28/25 09:12	03/28/25 18:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				03/28/25 09:12	03/28/25 18:13	1
1,4-Difluorobenzene (Surr)	97		70 - 130				03/28/25 09:12	03/28/25 18:13	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			03/28/25 18:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			04/01/25 17:23	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	<49.6	U *1	49.6		mg/Kg		04/01/25 11:09	04/01/25 17:23	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		04/01/25 11:09	04/01/25 17:23	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56140-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56140-3

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		04/01/25 11:09	04/01/25 17:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				04/01/25 11:09	04/01/25 17:23	1
o-Terphenyl	105		70 - 130				04/01/25 11:09	04/01/25 17:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164		10.1		mg/Kg			04/01/25 02:05	1

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

Lab Sample ID: 880-56140-4

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 09:12	03/28/25 18:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 18:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 18:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/28/25 09:12	03/28/25 18:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 18:34	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/28/25 09:12	03/28/25 18:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				03/28/25 09:12	03/28/25 18:34	1
1,4-Difluorobenzene (Surr)	90		70 - 130				03/28/25 09:12	03/28/25 18:34	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			03/28/25 18:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			04/01/25 17:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U *1	50.2		mg/Kg		04/01/25 11:09	04/01/25 17:44	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		04/01/25 11:09	04/01/25 17:44	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/01/25 11:09	04/01/25 17:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				04/01/25 11:09	04/01/25 17:44	1
o-Terphenyl	101		70 - 130				04/01/25 11:09	04/01/25 17:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	198		10.1		mg/Kg			04/01/25 02:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56140-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56140-5

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 09:12	03/28/25 18:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/28/25 09:12	03/28/25 18:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/28/25 09:12	03/28/25 18:54	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/28/25 09:12	03/28/25 18:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/28/25 09:12	03/28/25 18:54	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/28/25 09:12	03/28/25 18:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	03/28/25 09:12	03/28/25 18:54	1
1,4-Difluorobenzene (Surr)	90		70 - 130	03/28/25 09:12	03/28/25 18:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			03/28/25 18:54	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			04/01/25 18:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U *1	50.1		mg/Kg		04/01/25 11:09	04/01/25 18:05	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/01/25 11:09	04/01/25 18:05	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/01/25 11:09	04/01/25 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	04/01/25 11:09	04/01/25 18:05	1
o-Terphenyl	97		70 - 130	04/01/25 11:09	04/01/25 18:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	182		10.0		mg/Kg			04/01/25 02:19	1

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

Lab Sample ID: 880-56140-6

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00293		0.00200		mg/Kg		03/28/25 09:12	03/28/25 19:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 19:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 19:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/28/25 09:12	03/28/25 19:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 19:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/28/25 09:12	03/28/25 19:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	03/28/25 09:12	03/28/25 19:15	1
1,4-Difluorobenzene (Surr)	91		70 - 130	03/28/25 09:12	03/28/25 19:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56140-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56140-6

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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			03/28/25 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			04/01/25 18:25	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	<50.4	U *1	50.4		mg/Kg		04/01/25 11:09	04/01/25 18:25	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		04/01/25 11:09	04/01/25 18:25	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		04/01/25 11:09	04/01/25 18:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				04/01/25 11:09	04/01/25 18:25	1
o-Terphenyl	101		70 - 130				04/01/25 11:09	04/01/25 18:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	171		10.1		mg/Kg			04/01/25 02:26	1

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

Lab Sample ID: 880-56140-7

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 09:12	03/28/25 19:35	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/28/25 09:12	03/28/25 19:35	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/28/25 09:12	03/28/25 19:35	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/28/25 09:12	03/28/25 19:35	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/28/25 09:12	03/28/25 19:35	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/28/25 09:12	03/28/25 19:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				03/28/25 09:12	03/28/25 19:35	1
1,4-Difluorobenzene (Surr)	82		70 - 130				03/28/25 09:12	03/28/25 19:35	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			03/28/25 19:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			04/01/25 18:46	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	<50.5	U *1	50.5		mg/Kg		04/01/25 11:09	04/01/25 18:46	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		04/01/25 11:09	04/01/25 18:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56140-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56140-7

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		04/01/25 11:09	04/01/25 18:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				04/01/25 11:09	04/01/25 18:46	1
o-Terphenyl	99		70 - 130				04/01/25 11:09	04/01/25 18:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	173		10.1		mg/Kg			04/01/25 02:33	1

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

Lab Sample ID: 880-56140-8

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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		03/28/25 09:12	03/28/25 19:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/28/25 09:12	03/28/25 19:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/28/25 09:12	03/28/25 19:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/28/25 09:12	03/28/25 19:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/28/25 09:12	03/28/25 19:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/28/25 09:12	03/28/25 19:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				03/28/25 09:12	03/28/25 19:56	1
1,4-Difluorobenzene (Surr)	92		70 - 130				03/28/25 09:12	03/28/25 19:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/28/25 19:56	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			04/01/25 19:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		04/01/25 11:09	04/01/25 19:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/01/25 11:09	04/01/25 19:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/01/25 11:09	04/01/25 19:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				04/01/25 11:09	04/01/25 19:06	1
o-Terphenyl	104		70 - 130				04/01/25 11:09	04/01/25 19:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210	F1	10.0		mg/Kg			04/01/25 02:41	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56140-1
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	DFBZ1				
		(70-130)	(70-130)				
880-56137-A-1-B MS	Matrix Spike	96	101				
880-56137-A-1-C MSD	Matrix Spike Duplicate	95	105				
880-56140-1	H-1 (0-0.5')	84	95				
880-56140-2	H-2 (0-0.5')	100	88				
880-56140-3	H-3 (0-0.5')	90	97				
880-56140-4	H-4 (0-0.5')	96	90				
880-56140-5	H-5 (0-0.5')	102	90				
880-56140-6	H-6 (0-0.5')	91	91				
880-56140-7	H-7 (0-0.5')	91	82				
880-56140-8	H-8 (0-0.5')	94	92				
LCS 880-106306/1-A	Lab Control Sample	89	103				
LCSD 880-106306/2-A	Lab Control Sample Dup	97	107				
MB 880-106306/5-A	Method Blank	97	74				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-56140-1	H-1 (0-0.5')	98	91				
880-56140-2	H-2 (0-0.5')	98	92				
880-56140-3	H-3 (0-0.5')	99	105				
880-56140-4	H-4 (0-0.5')	92	101				
880-56140-5	H-5 (0-0.5')	89	97				
880-56140-6	H-6 (0-0.5')	95	101				
880-56140-7	H-7 (0-0.5')	90	99				
880-56140-8	H-8 (0-0.5')	97	104				
890-7866-A-2-B MS	Matrix Spike	114	114				
890-7866-A-2-C MSD	Matrix Spike Duplicate	118	117				
890-7900-A-6-E MS	Matrix Spike	101	104				
890-7900-A-6-F MSD	Matrix Spike Duplicate	102	105				
LCS 880-106288/2-A	Lab Control Sample	105	114				
LCS 880-106637/2-A	Lab Control Sample	115	124				
LCSD 880-106288/3-A	Lab Control Sample Dup	146 S1+	133 S1+				
LCSD 880-106637/3-A	Lab Control Sample Dup	95	102				
MB 880-106288/1-A	Method Blank	112	111				
MB 880-106637/1-A	Method Blank	116	133 S1+				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56140-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-106306/5-A

Matrix: Solid

Analysis Batch: 106300

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106306

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 11:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 11:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 11:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/28/25 09:12	03/28/25 11:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/28/25 09:12	03/28/25 11:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/28/25 09:12	03/28/25 11:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	03/28/25 09:12	03/28/25 11:51	1
1,4-Difluorobenzene (Surr)	74		70 - 130	03/28/25 09:12	03/28/25 11:51	1

Lab Sample ID: LCS 880-106306/1-A

Matrix: Solid

Analysis Batch: 106300

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106306

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1041		mg/Kg		104	70 - 130
Toluene	0.100	0.09493		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.09857		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.1894		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09057		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-106306/2-A

Matrix: Solid

Analysis Batch: 106300

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106306

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09804		mg/Kg		98	70 - 130	6	35
Toluene	0.100	0.09065		mg/Kg		91	70 - 130	5	35
Ethylbenzene	0.100	0.09233		mg/Kg		92	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1786		mg/Kg		89	70 - 130	6	35
o-Xylene	0.100	0.08391		mg/Kg		84	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-56137-A-1-B MS

Matrix: Solid

Analysis Batch: 106300

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106306

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.1070		mg/Kg		105	70 - 130
Toluene	<0.00201	U	0.100	0.09683		mg/Kg		97	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56140-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56137-A-1-B MS

Matrix: Solid

Analysis Batch: 106300

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106306

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.1000		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1923		mg/Kg		96	70 - 130
o-Xylene	<0.00201	U	0.100	0.09131		mg/Kg		91	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-56137-A-1-C MSD

Matrix: Solid

Analysis Batch: 106300

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106306

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.1078		mg/Kg		106	70 - 130	1	35
Toluene	<0.00201	U	0.100	0.09926		mg/Kg		99	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.100	0.1023		mg/Kg		102	70 - 130	2	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1959		mg/Kg		98	70 - 130	2	35
o-Xylene	<0.00201	U	0.100	0.09222		mg/Kg		92	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

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

Lab Sample ID: MB 880-106288/1-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106288

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		03/28/25 06:57	03/30/25 00:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 00:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/25 06:57	03/30/25 00:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	03/28/25 06:57	03/30/25 00:40	1
o-Terphenyl	111		70 - 130	03/28/25 06:57	03/30/25 00:40	1

Lab Sample ID: LCS 880-106288/2-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	922.3		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1031		mg/Kg		103	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56140-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-106288/2-A
Matrix: Solid
Analysis Batch: 106416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 106288

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: LCSD 880-106288/3-A
Matrix: Solid
Analysis Batch: 106416

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 106288

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1054		mg/Kg		105	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	1000	1150		mg/Kg		115	70 - 130	11	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	146	S1+	70 - 130
o-Terphenyl	133	S1+	70 - 130

Lab Sample ID: 890-7866-A-2-B MS
Matrix: Solid
Analysis Batch: 106416

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 106288

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: 890-7866-A-2-C MSD
Matrix: Solid
Analysis Batch: 106416

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 106288

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	996	<49.8	U F1	mg/Kg		0	70 - 130	NC	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130	NC	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	117		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56140-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-106637/1-A

Matrix: Solid

Analysis Batch: 106601

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106637

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		04/01/25 09:56	04/01/25 08:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/01/25 09:56	04/01/25 08:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/01/25 09:56	04/01/25 08:49	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				04/01/25 09:56	04/01/25 08:49	1
o-Terphenyl	133	S1+	70 - 130				04/01/25 09:56	04/01/25 08:49	1

Lab Sample ID: LCS 880-106637/2-A

Matrix: Solid

Analysis Batch: 106601

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106637

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1190		mg/Kg		119	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1003		mg/Kg		100	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	115		70 - 130				
o-Terphenyl	124		70 - 130				

Lab Sample ID: LCSD 880-106637/3-A

Matrix: Solid

Analysis Batch: 106601

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106637

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	932.3	*1	mg/Kg		93	70 - 130	24	20
Diesel Range Organics (Over C10-C28)	1000	971.7		mg/Kg		97	70 - 130	3	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	95		70 - 130						
o-Terphenyl	102		70 - 130						

Lab Sample ID: 890-7900-A-6-E MS

Matrix: Solid

Analysis Batch: 106601

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106637

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 *1	996	797.7		mg/Kg		78	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U	996	699.9		mg/Kg		70	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56140-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 890-7900-A-6-E MS

Matrix: Solid

Analysis Batch: 106601

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106637

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 890-7900-A-6-F MSD

Matrix: Solid

Analysis Batch: 106601

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106637

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 *1	996	813.5		mg/Kg		80	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.1	U	996	702.0		mg/Kg		70	70 - 130	0	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	105		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-106327/1-A

Matrix: Solid

Analysis Batch: 106572

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			04/01/25 00:38	1

Lab Sample ID: LCS 880-106327/2-A

Matrix: Solid

Analysis Batch: 106572

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	248.2		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-106327/3-A

Matrix: Solid

Analysis Batch: 106572

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	251.7		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-56140-8 MS

Matrix: Solid

Analysis Batch: 106572

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	210	F1	251	415.8	F1	mg/Kg		82	90 - 110

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56140-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-56140-8 MSD					Client Sample ID: H-8 (0-0.5')							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 106572												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	210	F1	251	414.2	F1	mg/Kg		81	90 - 110	0	20	

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56140-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 106300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56140-1	H-1 (0-0.5')	Total/NA	Solid	8021B	106306
880-56140-2	H-2 (0-0.5')	Total/NA	Solid	8021B	106306
880-56140-3	H-3 (0-0.5')	Total/NA	Solid	8021B	106306
880-56140-4	H-4 (0-0.5')	Total/NA	Solid	8021B	106306
880-56140-5	H-5 (0-0.5')	Total/NA	Solid	8021B	106306
880-56140-6	H-6 (0-0.5')	Total/NA	Solid	8021B	106306
880-56140-7	H-7 (0-0.5')	Total/NA	Solid	8021B	106306
880-56140-8	H-8 (0-0.5')	Total/NA	Solid	8021B	106306
MB 880-106306/5-A	Method Blank	Total/NA	Solid	8021B	106306
LCS 880-106306/1-A	Lab Control Sample	Total/NA	Solid	8021B	106306
LCSD 880-106306/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	106306
880-56137-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	106306
880-56137-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	106306

Prep Batch: 106306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56140-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-56140-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-56140-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-56140-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-56140-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-56140-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-56140-7	H-7 (0-0.5')	Total/NA	Solid	5035	
880-56140-8	H-8 (0-0.5')	Total/NA	Solid	5035	
MB 880-106306/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-106306/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-106306/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-56137-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-56137-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 106560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56140-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-56140-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-56140-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-56140-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-56140-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-56140-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-56140-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-56140-8	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 106288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56140-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-56140-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-106288/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-106288/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-106288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7866-A-2-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56140-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 106288 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7866-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 106416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56140-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	106288
880-56140-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	106288
MB 880-106288/1-A	Method Blank	Total/NA	Solid	8015B NM	106288
LCS 880-106288/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	106288
LCSD 880-106288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	106288
890-7866-A-2-B MS	Matrix Spike	Total/NA	Solid	8015B NM	106288
890-7866-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	106288

Analysis Batch: 106555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56140-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-56140-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-56140-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-56140-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-56140-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-56140-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-56140-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-56140-8	H-8 (0-0.5')	Total/NA	Solid	8015 NM	

Analysis Batch: 106601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56140-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	106637
880-56140-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	106637
880-56140-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	106637
880-56140-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	106637
880-56140-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	106637
880-56140-8	H-8 (0-0.5')	Total/NA	Solid	8015B NM	106637
MB 880-106637/1-A	Method Blank	Total/NA	Solid	8015B NM	106637
LCS 880-106637/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	106637
LCSD 880-106637/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	106637
890-7900-A-6-E MS	Matrix Spike	Total/NA	Solid	8015B NM	106637
890-7900-A-6-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	106637

Prep Batch: 106637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56140-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-56140-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-56140-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-56140-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-56140-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-56140-8	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-106637/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-106637/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-106637/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7900-A-6-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7900-A-6-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56140-1
SDG: Lea County, New Mexico

HPLC/IC

Leach Batch: 106327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56140-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-56140-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-56140-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-56140-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-56140-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-56140-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-56140-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-56140-8	H-8 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-106327/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-106327/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-106327/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-56140-8 MS	H-8 (0-0.5')	Soluble	Solid	DI Leach	
880-56140-8 MSD	H-8 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 106572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56140-1	H-1 (0-0.5')	Soluble	Solid	300.0	106327
880-56140-2	H-2 (0-0.5')	Soluble	Solid	300.0	106327
880-56140-3	H-3 (0-0.5')	Soluble	Solid	300.0	106327
880-56140-4	H-4 (0-0.5')	Soluble	Solid	300.0	106327
880-56140-5	H-5 (0-0.5')	Soluble	Solid	300.0	106327
880-56140-6	H-6 (0-0.5')	Soluble	Solid	300.0	106327
880-56140-7	H-7 (0-0.5')	Soluble	Solid	300.0	106327
880-56140-8	H-8 (0-0.5')	Soluble	Solid	300.0	106327
MB 880-106327/1-A	Method Blank	Soluble	Solid	300.0	106327
LCS 880-106327/2-A	Lab Control Sample	Soluble	Solid	300.0	106327
LCSD 880-106327/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	106327
880-56140-8 MS	H-8 (0-0.5')	Soluble	Solid	300.0	106327
880-56140-8 MSD	H-8 (0-0.5')	Soluble	Solid	300.0	106327

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56140-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56140-1

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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	106306	03/28/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106300	03/28/25 17:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106560	03/28/25 17:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106555	03/30/25 07:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	106288	03/28/25 06:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106416	03/30/25 07:01	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	106327	03/28/25 10:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	106572	04/01/25 01:36	SMC	EET MID

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

Lab Sample ID: 880-56140-2

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

Prep 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	106306	03/28/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106300	03/28/25 17:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106560	03/28/25 17:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106555	03/30/25 07:17	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	106288	03/28/25 06:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106416	03/30/25 07:17	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	106327	03/28/25 10:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	106572	04/01/25 01:43	SMC	EET MID

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

Lab Sample ID: 880-56140-3

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

Prep 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	106306	03/28/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106300	03/28/25 18:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106560	03/28/25 18:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106555	04/01/25 17:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	106637	04/01/25 11:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106601	04/01/25 17:23	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	106327	03/28/25 10:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	106572	04/01/25 02:05	SMC	EET MID

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

Lab Sample ID: 880-56140-4

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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	106306	03/28/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106300	03/28/25 18:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106560	03/28/25 18:34	AJ	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56140-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-56140-4

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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			106555	04/01/25 17:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	106637	04/01/25 11:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106601	04/01/25 17:44	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	106327	03/28/25 10:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	106572	04/01/25 02:12	SMC	EET MID

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

Lab Sample ID: 880-56140-5

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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	106306	03/28/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106300	03/28/25 18:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106560	03/28/25 18:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106555	04/01/25 18:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	106637	04/01/25 11:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106601	04/01/25 18:05	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	106327	03/28/25 10:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	106572	04/01/25 02:19	SMC	EET MID

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

Lab Sample ID: 880-56140-6

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

Prep 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	106306	03/28/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106300	03/28/25 19:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106560	03/28/25 19:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106555	04/01/25 18:25	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	106637	04/01/25 11:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106601	04/01/25 18:25	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	106327	03/28/25 10:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	106572	04/01/25 02:26	SMC	EET MID

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

Lab Sample ID: 880-56140-7

Date Collected: 03/25/25 00:00

Matrix: Solid

Date Received: 03/27/25 14:15

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	106306	03/28/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106300	03/28/25 19:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106560	03/28/25 19:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106555	04/01/25 18:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	106637	04/01/25 11:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106601	04/01/25 18:46	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56140-1
SDG: Lea County, New Mexico

Client Sample ID: H-7 (0-0.5')
Date Collected: 03/25/25 00:00
Date Received: 03/27/25 14:15

Lab Sample ID: 880-56140-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	106327	03/28/25 10:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	106572	04/01/25 02:33	SMC	EET MID

Client Sample ID: H-8 (0-0.5')
Date Collected: 03/25/25 00:00
Date Received: 03/27/25 14:15

Lab Sample ID: 880-56140-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	106306	03/28/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106300	03/28/25 19:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106560	03/28/25 19:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106555	04/01/25 19:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	106637	04/01/25 11:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106601	04/01/25 19:06	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	106327	03/28/25 10:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	106572	04/01/25 02:41	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: Federal 26 A Battery

Job ID: 880-56140-1
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	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Federal 26 A Battery

Job ID: 880-56140-1
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: Federal 26 A Battery

Job ID: 880-56140-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-56140-1	H-1 (0-0.5')	Solid	03/25/25 00:00	03/27/25 14:15
880-56140-2	H-2 (0-0.5')	Solid	03/25/25 00:00	03/27/25 14:15
880-56140-3	H-3 (0-0.5')	Solid	03/25/25 00:00	03/27/25 14:15
880-56140-4	H-4 (0-0.5')	Solid	03/25/25 00:00	03/27/25 14:15
880-56140-5	H-5 (0-0.5')	Solid	03/25/25 00:00	03/27/25 14:15
880-56140-6	H-6 (0-0.5')	Solid	03/25/25 00:00	03/27/25 14:15
880-56140-7	H-7 (0-0.5')	Solid	03/25/25 00:00	03/27/25 14:15
880-56140-8	H-8 (0-0.5')	Solid	03/25/25 00:00	03/27/25 14:15

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Chain of Custody



880-56140 Chain of Custody

Page 1 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	Grant Huckabay & Addison Guekler
Company Name:	Carmona Resources	Company Name:	Fasken Oil and Ranch
Address:	310 W Wall St Ste 500	Address:	6101 Holiday Hill Road
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79707
Phone:	432-813-6823	Email:	Granth@forl.com & addisong@forl.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:		Federal 26 A Battery		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes								
Project Number:		2680		☒ Routine ☐ Rush																			None: NO DI Water: H ₂ O								
Project Location		Lea County, New Mexico		Due Date:			Standard																		Cool: Cool MeOH: Me						
Sampler's Name:		CRM																					HCL: HC HNO ₃ : HN								
PO #:																							H ₂ SO ₄ : H ₂ NaOH: Na								
SAMPLE RECEIPT		Temp Blank:		Yes ☒ No ☐		Wet Ice:		Yes ☒ No ☐		Parameters		BTX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300.0																H ₃ PO ₄ : HP			
Received Intact:		Yes ☒ No ☐		Thermometer ID:		IR4		NaHSO ₄ : NABIS																							
Cooler Custody Seals:		Yes ☐ No ☒ N/A		Correction Factor:				Na ₂ S ₂ O ₃ : NaSO ₃																							
Sample Custody Seals:		Yes ☐ No ☒ N/A		Temperature Reading:		8.5		Zn Acetate+NaOH: Zn																							
Total Containers:				Corrected Temperature:				NaOH+Ascorbic Acid: SAPC																							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont																		Sample Comments	
H-1 (0-0.5')		3/25/2025				X				G		1		X X X																	
H-2 (0-0.5')		3/25/2025				X				G		1		X X X																	
H-3 (0-0.5')		3/25/2025				X				G		1		X X X																	
H-4 (0-0.5')		3/25/2025				X				G		1		X X X																	
H-5 (0-0.5')		3/25/2025				X				G		1		X X X																	
H-6 (0-0.5')		3/25/2025				X				G		1		X X X																	
H-7 (0-0.5')		3/25/2025				X				G		1		X X X																	
H-8 (0-0.5')		3/25/2025				X				G		1		X X X																	

Comments:			
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Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
		3/27/25 @ 14:15				3/27/25 14:22	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-56140-1

SDG Number: Lea County, New Mexico

Login Number: 56140

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/8/2025 9:58:29 AM

JOB DESCRIPTION

Federal 26A Battery
Lea County NM

JOB NUMBER

880-57815-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
5/8/2025 9:58:29 AM

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

Client: Carmona Resources
Project/Site: Federal 26A Battery

Laboratory Job ID: 880-57815-1
SDG: Lea County NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57815-1
SDG: Lea County NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Federal 26A Battery

Job ID: 880-57815-1

Job ID: 880-57815-1**Eurofins Midland****Job Narrative
880-57815-1**

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

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

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

Receipt

The sample was received on 5/6/2025 4:30 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

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.

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57815-1
SDG: Lea County NM

Client Sample ID: Backfill Pit

Lab Sample ID: 880-57815-1

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00481		0.00201		mg/Kg		05/07/25 08:43	05/07/25 12:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:43	05/07/25 12:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:43	05/07/25 12:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/07/25 08:43	05/07/25 12:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:43	05/07/25 12:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/07/25 08:43	05/07/25 12:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				05/07/25 08:43	05/07/25 12:29	1
1,4-Difluorobenzene (Surr)	112		70 - 130				05/07/25 08:43	05/07/25 12:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00481		0.00402		mg/Kg			05/07/25 12:29	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			05/07/25 13:45	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	<50.0	U	50.0		mg/Kg		05/07/25 07:59	05/07/25 13:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/07/25 07:59	05/07/25 13:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/07/25 07:59	05/07/25 13:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130				05/07/25 07:59	05/07/25 13:45	1
o-Terphenyl	71		70 - 130				05/07/25 07:59	05/07/25 13:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		10.0		mg/Kg			05/07/25 11:37	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57815-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-57815-1	Backfill Pit	93	112
890-8118-A-1-C MS	Matrix Spike	92	110
890-8118-A-1-D MSD	Matrix Spike Duplicate	102	97
LCS 880-109601/1-A	Lab Control Sample	102	112
LCSD 880-109601/2-A	Lab Control Sample Dup	101	109
MB 880-109601/5-A	Method Blank	87	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)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-57815-1	Backfill Pit	70	71
890-8117-A-1-B MS	Matrix Spike	83	78
890-8117-A-1-C MSD	Matrix Spike Duplicate	80	78
LCS 880-109587/2-A	Lab Control Sample	115	113
LCSD 880-109587/3-A	Lab Control Sample Dup	117	114
MB 880-109587/1-A	Method Blank	121	120
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57815-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-109601/5-A

Matrix: Solid

Analysis Batch: 109599

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109601

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:43	05/07/25 11:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:43	05/07/25 11:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:43	05/07/25 11:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/07/25 08:43	05/07/25 11:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:43	05/07/25 11:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/07/25 08:43	05/07/25 11:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	05/07/25 08:43	05/07/25 11:47	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/07/25 08:43	05/07/25 11:47	1

Lab Sample ID: LCS 880-109601/1-A

Matrix: Solid

Analysis Batch: 109599

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109601

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09941		mg/Kg		99	70 - 130
Toluene	0.100	0.08896		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.09764		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.1848		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09731		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: LCSD 880-109601/2-A

Matrix: Solid

Analysis Batch: 109599

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109601

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1047		mg/Kg		105	70 - 130	5	35
Toluene	0.100	0.08316		mg/Kg		83	70 - 130	7	35
Ethylbenzene	0.100	0.09138		mg/Kg		91	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1735		mg/Kg		87	70 - 130	6	35
o-Xylene	0.100	0.08793		mg/Kg		88	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 890-8118-A-1-C MS

Matrix: Solid

Analysis Batch: 109599

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 109601

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09466		mg/Kg		95	70 - 130
Toluene	0.00212		0.100	0.08741		mg/Kg		85	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57815-1
SDG: Lea County NM

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

Lab Sample ID: 890-8118-A-1-C MS

Matrix: Solid

Analysis Batch: 109599

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 109601

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09001		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1714		mg/Kg		86	70 - 130
o-Xylene	0.00246		0.100	0.09015		mg/Kg		88	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 890-8118-A-1-D MSD

Matrix: Solid

Analysis Batch: 109599

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 109601

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	0.1037		mg/Kg		104	70 - 130	9	35
Toluene	0.00212		0.100	0.08907		mg/Kg		87	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.1038		mg/Kg		104	70 - 130	14	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1945		mg/Kg		97	70 - 130	13	35
o-Xylene	0.00246		0.100	0.09916		mg/Kg		97	70 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-109587/1-A

Matrix: Solid

Analysis Batch: 109633

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109587

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		05/07/25 07:56	05/07/25 01:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/07/25 07:56	05/07/25 01:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/07/25 07:56	05/07/25 01:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	05/07/25 07:56	05/07/25 01:46	1
o-Terphenyl	120		70 - 130	05/07/25 07:56	05/07/25 01:46	1

Lab Sample ID: LCS 880-109587/2-A

Matrix: Solid

Analysis Batch: 109633

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109587

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1024		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1026		mg/Kg		103	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57815-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-109587/2-A

Matrix: Solid

Analysis Batch: 109633

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109587

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: LCSD 880-109587/3-A

Matrix: Solid

Analysis Batch: 109633

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109587

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1077		mg/Kg		108	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	1049		mg/Kg		105	70 - 130	2	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: 890-8117-A-1-B MS

Matrix: Solid

Analysis Batch: 109633

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 109587

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	1046		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	996	933.3		mg/Kg		91	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	78		70 - 130

Lab Sample ID: 890-8117-A-1-C MSD

Matrix: Solid

Analysis Batch: 109633

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 109587

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	1049		mg/Kg		105	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	937.7		mg/Kg		91	70 - 130	0	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	80		70 - 130
o-Terphenyl	78		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57815-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-109591/1-A

Matrix: Solid

Analysis Batch: 109604

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			05/07/25 11:15	1

Lab Sample ID: LCS 880-109591/2-A

Matrix: Solid

Analysis Batch: 109604

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.9		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-109591/3-A

Matrix: Solid

Analysis Batch: 109604

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: 880-57815-1 MS

Matrix: Solid

Analysis Batch: 109604

Client Sample ID: Backfill Pit

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	101		251	350.0		mg/Kg		99	90 - 110

Lab Sample ID: 880-57815-1 MSD

Matrix: Solid

Analysis Batch: 109604

Client Sample ID: Backfill Pit

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	101		251	346.0		mg/Kg		98	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57815-1
SDG: Lea County NM

GC VOA

Analysis Batch: 109599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57815-1	Backfill Pit	Total/NA	Solid	8021B	109601
MB 880-109601/5-A	Method Blank	Total/NA	Solid	8021B	109601
LCS 880-109601/1-A	Lab Control Sample	Total/NA	Solid	8021B	109601
LCSD 880-109601/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	109601
890-8118-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	109601
890-8118-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	109601

Prep Batch: 109601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57815-1	Backfill Pit	Total/NA	Solid	5035	
MB 880-109601/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-109601/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-109601/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8118-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-8118-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 109678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57815-1	Backfill Pit	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 109587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57815-1	Backfill Pit	Total/NA	Solid	8015NM Prep	
MB 880-109587/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-109587/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-109587/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8117-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8117-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 109633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57815-1	Backfill Pit	Total/NA	Solid	8015B NM	109587
MB 880-109587/1-A	Method Blank	Total/NA	Solid	8015B NM	109587
LCS 880-109587/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	109587
LCSD 880-109587/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	109587
890-8117-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	109587
890-8117-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	109587

Analysis Batch: 109681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57815-1	Backfill Pit	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 109591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57815-1	Backfill Pit	Soluble	Solid	DI Leach	
MB 880-109591/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-109591/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-109591/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57815-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 109591 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57815-1 MS	Backfill Pit	Soluble	Solid	DI Leach	
880-57815-1 MSD	Backfill Pit	Soluble	Solid	DI Leach	

Analysis Batch: 109604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57815-1	Backfill Pit	Soluble	Solid	300.0	109591
MB 880-109591/1-A	Method Blank	Soluble	Solid	300.0	109591
LCS 880-109591/2-A	Lab Control Sample	Soluble	Solid	300.0	109591
LCSD 880-109591/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	109591
880-57815-1 MS	Backfill Pit	Soluble	Solid	300.0	109591
880-57815-1 MSD	Backfill Pit	Soluble	Solid	300.0	109591

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57815-1
SDG: Lea County NM

Client Sample ID: Backfill Pit
Date Collected: 05/06/25 00:00
Date Received: 05/06/25 16:30

Lab Sample ID: 880-57815-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	109601	05/07/25 08:43	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109599	05/07/25 12:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109678	05/07/25 12:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			109681	05/07/25 13:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	109587	05/07/25 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 13:45	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	109591	05/07/25 08:14	SA	EET MID
Soluble	Analysis	300.0		1			109604	05/07/25 11:37	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57815-1
SDG: Lea County NM

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57815-1
SDG: Lea County NM

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57815-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-57815-1	Backfill Pit	Solid	05/06/25 00:00	05/06/25 16:30

- 1
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Chain of Custody



880-57815 Chain of Custody

Page 1 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	Grant Huckabay & Addison Guekler
Company Name:	Carmona Resources	Company Name:	Fasken Oil and Ranch
Address:	310 W Wall St Ste 500	Address:	6101 Holiday Hill Road
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79707
Phone:	432-813-6823	Email:	Granth@forl.com & addisong@forl.com

Work Order Comments			
Program:	UST/PST ☐ PRP ☐	Brownfields ☐ RRC ☐	Superfund ☐
State of Project:			
Reporting:	Level II ☐ Level III ☐	PST/UST ☐ RRP ☐	Level IV ☐
Deliverables:	EDD ☐	ADaPT ☐	Other: _____

[illegible]

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Ivan Ramirez</i>	5/6/25 @ 16:30	<i>Teddy Randall</i>	5/6/25/16:30

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-57815-1

SDG Number: Lea County NM

Login Number: 57815

List Number: 1

Creator: Kramer, Jessica

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/8/2025 4:49:00 PM

JOB DESCRIPTION

Federal 26A Battery
Lea County NM

JOB NUMBER

880-57816-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
5/8/2025 4:49:00 PM

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

Client: Carmona Resources
Project/Site: Federal 26A Battery

Laboratory Job ID: 880-57816-1
SDG: Lea County NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

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
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: Federal 26A Battery

Job ID: 880-57816-1

Job ID: 880-57816-1

Eurofins Midland

Job Narrative
880-57816-1

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

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

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

Receipt

The samples were received on 5/6/2025 4:30 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 1.4°C.

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-109600 and analytical batch 880-109597 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: CS-14 (2.5') (880-57816-14). Evidence of matrix interference is present; 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 8015MOD_NM: Surrogate recovery for the following samples were outside the upper control limit: CS-9 (2.5') (880-57816-9), CS-10 (2.5') (880-57816-10), CS-15 (2.5') (880-57816-15) and CS-17 (3.5') (880-57816-17). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-109588 and analytical batch 880-109633 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-57816-A-18-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside the upper control limit: CS-20 (3.5') (880-57816-20), SW-1 (1.5') (880-57816-21), SW-2 (1.5') (880-57816-22), SW-4 (1.5') (880-57816-24), SW-6 (1.5') (880-57816-26), SW-8 (2.5') (880-57816-28), SW-11 (3.5') (880-57816-31), SW-12 (3.5') (880-57816-32), SW-15 (3.5') (880-57816-35) and SW-16 (3.5') (880-57816-36). 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.

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-109592 and analytical batch 880-109609 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.

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-57816-1

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:39	05/07/25 19:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:39	05/07/25 19:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:39	05/07/25 19:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/07/25 08:39	05/07/25 19:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:39	05/07/25 19:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/07/25 08:39	05/07/25 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	05/07/25 08:39	05/07/25 19:23	1
1,4-Difluorobenzene (Surr)	109		70 - 130	05/07/25 08:39	05/07/25 19:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/07/25 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			05/07/25 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	<50.0	U	50.0		mg/Kg		05/07/25 07:59	05/07/25 14:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/07/25 07:59	05/07/25 14:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/07/25 07:59	05/07/25 14:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130	05/07/25 07:59	05/07/25 14:00	1
o-Terphenyl	76		70 - 130	05/07/25 07:59	05/07/25 14:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	118		10.1		mg/Kg			05/07/25 11:59	1

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-57816-2

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:39	05/07/25 19:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:39	05/07/25 19:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:39	05/07/25 19:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/07/25 08:39	05/07/25 19:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:39	05/07/25 19:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/07/25 08:39	05/07/25 19:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	05/07/25 08:39	05/07/25 19:43	1
1,4-Difluorobenzene (Surr)	115		70 - 130	05/07/25 08:39	05/07/25 19:43	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-57816-2

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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			05/07/25 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	<50.0	U	50.0		mg/Kg			05/07/25 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		05/07/25 07:59	05/07/25 14:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/07/25 07:59	05/07/25 14:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/07/25 07:59	05/07/25 14:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				05/07/25 07:59	05/07/25 14:14	1
o-Terphenyl	73		70 - 130				05/07/25 07:59	05/07/25 14:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.1		10.0		mg/Kg			05/07/25 12:06	1

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-57816-3

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:39	05/07/25 20:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/07/25 08:39	05/07/25 20:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/07/25 08:39	05/07/25 20:03	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/07/25 08:39	05/07/25 20:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/07/25 08:39	05/07/25 20:03	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/07/25 08:39	05/07/25 20:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				05/07/25 08:39	05/07/25 20:03	1
1,4-Difluorobenzene (Surr)	112		70 - 130				05/07/25 08:39	05/07/25 20:03	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			05/07/25 20:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/07/25 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/07/25 07:59	05/07/25 14:31	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/07/25 07:59	05/07/25 14:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-57816-3

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/07/25 07:59	05/07/25 14:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				05/07/25 07:59	05/07/25 14:31	1
o-Terphenyl	75		70 - 130				05/07/25 07:59	05/07/25 14:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.6		10.0		mg/Kg			05/07/25 12:14	1

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-57816-4

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:39	05/07/25 20:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:39	05/07/25 20:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:39	05/07/25 20:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/07/25 08:39	05/07/25 20:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:39	05/07/25 20:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/07/25 08:39	05/07/25 20:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				05/07/25 08:39	05/07/25 20:24	1
1,4-Difluorobenzene (Surr)	110		70 - 130				05/07/25 08:39	05/07/25 20:24	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			05/07/25 20:24	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			05/07/25 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/07/25 07:59	05/07/25 14:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/07/25 07:59	05/07/25 14:45	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/07/25 07:59	05/07/25 14:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				05/07/25 07:59	05/07/25 14:45	1
o-Terphenyl	71		70 - 130				05/07/25 07:59	05/07/25 14:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.3		10.1		mg/Kg			05/07/25 12:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: CS-5 (1.5')

Lab Sample ID: 880-57816-5

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:39	05/07/25 20:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:39	05/07/25 20:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:39	05/07/25 20:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/07/25 08:39	05/07/25 20:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:39	05/07/25 20:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/07/25 08:39	05/07/25 20:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	05/07/25 08:39	05/07/25 20:44	1
1,4-Difluorobenzene (Surr)	116		70 - 130	05/07/25 08:39	05/07/25 20:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/07/25 20:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/07/25 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	<49.9	U	49.9		mg/Kg		05/07/25 07:59	05/07/25 15:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/07/25 07:59	05/07/25 15:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/07/25 07:59	05/07/25 15:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130	05/07/25 07:59	05/07/25 15:00	1
o-Terphenyl	72		70 - 130	05/07/25 07:59	05/07/25 15:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		9.92		mg/Kg			05/07/25 12:43	1

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-57816-6

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:39	05/07/25 21:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:39	05/07/25 21:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:39	05/07/25 21:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/07/25 08:39	05/07/25 21:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:39	05/07/25 21:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/07/25 08:39	05/07/25 21:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	05/07/25 08:39	05/07/25 21:05	1
1,4-Difluorobenzene (Surr)	115		70 - 130	05/07/25 08:39	05/07/25 21:05	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-57816-6

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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			05/07/25 21:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/07/25 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		05/07/25 07:59	05/07/25 15:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/07/25 07:59	05/07/25 15:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/07/25 07:59	05/07/25 15:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				05/07/25 07:59	05/07/25 15:15	1
o-Terphenyl	76		70 - 130				05/07/25 07:59	05/07/25 15:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		9.92		mg/Kg			05/07/25 12:51	1

Client Sample ID: CS-7 (2.5')

Lab Sample ID: 880-57816-7

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:39	05/07/25 21:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/07/25 08:39	05/07/25 21:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/07/25 08:39	05/07/25 21:25	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/07/25 08:39	05/07/25 21:25	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/07/25 08:39	05/07/25 21:25	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/07/25 08:39	05/07/25 21:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				05/07/25 08:39	05/07/25 21:25	1
1,4-Difluorobenzene (Surr)	112		70 - 130				05/07/25 08:39	05/07/25 21:25	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			05/07/25 21:25	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			05/07/25 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	<49.8	U	49.8		mg/Kg		05/07/25 07:59	05/07/25 15:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/07/25 07:59	05/07/25 15:32	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: CS-7 (2.5')

Lab Sample ID: 880-57816-7

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 07:59	05/07/25 15:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				05/07/25 07:59	05/07/25 15:32	1
o-Terphenyl	73		70 - 130				05/07/25 07:59	05/07/25 15:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.8		10.1		mg/Kg			05/07/25 12:58	1

Client Sample ID: CS-8 (2.5')

Lab Sample ID: 880-57816-8

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:39	05/07/25 21:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:39	05/07/25 21:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:39	05/07/25 21:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/07/25 08:39	05/07/25 21:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:39	05/07/25 21:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/07/25 08:39	05/07/25 21:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				05/07/25 08:39	05/07/25 21:46	1
1,4-Difluorobenzene (Surr)	116		70 - 130				05/07/25 08:39	05/07/25 21:46	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			05/07/25 21:46	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			05/07/25 16:02	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		05/07/25 07:59	05/07/25 16:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/07/25 07:59	05/07/25 16:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/07/25 07:59	05/07/25 16:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				05/07/25 07:59	05/07/25 16:02	1
o-Terphenyl	83		70 - 130				05/07/25 07:59	05/07/25 16:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.8		10.1		mg/Kg			05/07/25 13:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: CS-9 (2.5')

Lab Sample ID: 880-57816-9

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:39	05/07/25 22:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:39	05/07/25 22:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:39	05/07/25 22:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/07/25 08:39	05/07/25 22:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:39	05/07/25 22:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/07/25 08:39	05/07/25 22:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	05/07/25 08:39	05/07/25 22:07	1
1,4-Difluorobenzene (Surr)	114		70 - 130	05/07/25 08:39	05/07/25 22:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/07/25 22:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/07/25 16:16	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	<49.7	U	49.7		mg/Kg		05/07/25 07:59	05/07/25 16:16	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/07/25 07:59	05/07/25 16:16	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/07/25 07:59	05/07/25 16:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	05/07/25 07:59	05/07/25 16:16	1
o-Terphenyl	131	S1+	70 - 130	05/07/25 07:59	05/07/25 16:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		9.94		mg/Kg			05/07/25 13:13	1

Client Sample ID: CS-10 (2.5')

Lab Sample ID: 880-57816-10

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:39	05/07/25 22:27	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/07/25 08:39	05/07/25 22:27	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/07/25 08:39	05/07/25 22:27	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/07/25 08:39	05/07/25 22:27	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/07/25 08:39	05/07/25 22:27	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/07/25 08:39	05/07/25 22:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	05/07/25 08:39	05/07/25 22:27	1
1,4-Difluorobenzene (Surr)	111		70 - 130	05/07/25 08:39	05/07/25 22:27	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: CS-10 (2.5')

Lab Sample ID: 880-57816-10

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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			05/07/25 22:27	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			05/07/25 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		05/07/25 07:59	05/07/25 16:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/07/25 07:59	05/07/25 16:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/07/25 07:59	05/07/25 16:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				05/07/25 07:59	05/07/25 16:32	1
o-Terphenyl	134	S1+	70 - 130				05/07/25 07:59	05/07/25 16:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.1		9.96		mg/Kg			05/07/25 13:20	1

Client Sample ID: CS-11 (2.5')

Lab Sample ID: 880-57816-11

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:39	05/08/25 00:17	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:39	05/08/25 00:17	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:39	05/08/25 00:17	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/07/25 08:39	05/08/25 00:17	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:39	05/08/25 00:17	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/07/25 08:39	05/08/25 00:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				05/07/25 08:39	05/08/25 00:17	1
1,4-Difluorobenzene (Surr)	99		70 - 130				05/07/25 08:39	05/08/25 00:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/08/25 00:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/07/25 16:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/07/25 07:59	05/07/25 16:46	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/07/25 07:59	05/07/25 16:46	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: CS-11 (2.5')

Lab Sample ID: 880-57816-11

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/07/25 07:59	05/07/25 16:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				05/07/25 07:59	05/07/25 16:46	1
o-Terphenyl	73		70 - 130				05/07/25 07:59	05/07/25 16:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.8		9.98		mg/Kg			05/07/25 13:42	1

Client Sample ID: CS-12 (2.5')

Lab Sample ID: 880-57816-12

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:39	05/08/25 00:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/07/25 08:39	05/08/25 00:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/07/25 08:39	05/08/25 00:38	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/07/25 08:39	05/08/25 00:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/07/25 08:39	05/08/25 00:38	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/07/25 08:39	05/08/25 00:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				05/07/25 08:39	05/08/25 00:38	1
1,4-Difluorobenzene (Surr)	117		70 - 130				05/07/25 08:39	05/08/25 00:38	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			05/08/25 00:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/07/25 17:01	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	<49.7	U	49.7		mg/Kg		05/07/25 07:59	05/07/25 17:01	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/07/25 07:59	05/07/25 17:01	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/07/25 07:59	05/07/25 17:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				05/07/25 07:59	05/07/25 17:01	1
o-Terphenyl	128		70 - 130				05/07/25 07:59	05/07/25 17:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.0		9.92		mg/Kg			05/07/25 13:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: CS-13 (2.5')

Lab Sample ID: 880-57816-13

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:39	05/08/25 00:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:39	05/08/25 00:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:39	05/08/25 00:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/07/25 08:39	05/08/25 00:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:39	05/08/25 00:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/07/25 08:39	05/08/25 00:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	05/07/25 08:39	05/08/25 00:58	1
1,4-Difluorobenzene (Surr)	107		70 - 130	05/07/25 08:39	05/08/25 00:58	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			05/08/25 00:58	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			05/07/25 17:16	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	<50.0	U	50.0		mg/Kg		05/07/25 07:59	05/07/25 17:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/07/25 07:59	05/07/25 17:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/07/25 07:59	05/07/25 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	05/07/25 07:59	05/07/25 17:16	1
o-Terphenyl	129		70 - 130	05/07/25 07:59	05/07/25 17:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76.9		10.0		mg/Kg			05/07/25 14:12	1

Client Sample ID: CS-14 (2.5')

Lab Sample ID: 880-57816-14

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:39	05/08/25 01:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:39	05/08/25 01:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:39	05/08/25 01:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/07/25 08:39	05/08/25 01:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:39	05/08/25 01:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/07/25 08:39	05/08/25 01:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130	05/07/25 08:39	05/08/25 01:18	1
1,4-Difluorobenzene (Surr)	115		70 - 130	05/07/25 08:39	05/08/25 01:18	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: CS-14 (2.5')

Lab Sample ID: 880-57816-14

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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			05/08/25 01:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/07/25 17:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/07/25 07:59	05/07/25 17:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/07/25 07:59	05/07/25 17:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/07/25 07:59	05/07/25 17:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				05/07/25 07:59	05/07/25 17:31	1
o-Terphenyl	74		70 - 130				05/07/25 07:59	05/07/25 17:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.1		9.94		mg/Kg			05/07/25 14:19	1

Client Sample ID: CS-15 (2.5')

Lab Sample ID: 880-57816-15

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:39	05/08/25 01:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:39	05/08/25 01:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:39	05/08/25 01:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/07/25 08:39	05/08/25 01:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:39	05/08/25 01:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/07/25 08:39	05/08/25 01:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				05/07/25 08:39	05/08/25 01:39	1
1,4-Difluorobenzene (Surr)	108		70 - 130				05/07/25 08:39	05/08/25 01:39	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			05/08/25 01:39	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			05/07/25 17:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/07/25 07:59	05/07/25 17:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/07/25 07:59	05/07/25 17:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: CS-15 (2.5')

Lab Sample ID: 880-57816-15

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 07:59	05/07/25 17:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				05/07/25 07:59	05/07/25 17:46	1
o-Terphenyl	133	S1+	70 - 130				05/07/25 07:59	05/07/25 17:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.5		9.92		mg/Kg			05/07/25 14:27	1

Client Sample ID: CS-16 (3.5')

Lab Sample ID: 880-57816-16

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:39	05/08/25 01:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/07/25 08:39	05/08/25 01:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/07/25 08:39	05/08/25 01:59	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/07/25 08:39	05/08/25 01:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/07/25 08:39	05/08/25 01:59	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/07/25 08:39	05/08/25 01:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				05/07/25 08:39	05/08/25 01:59	1
1,4-Difluorobenzene (Surr)	110		70 - 130				05/07/25 08:39	05/08/25 01:59	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			05/08/25 01:59	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			05/07/25 18:01	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		05/07/25 07:59	05/07/25 18:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/07/25 07:59	05/07/25 18:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/07/25 07:59	05/07/25 18:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				05/07/25 07:59	05/07/25 18:01	1
o-Terphenyl	127		70 - 130				05/07/25 07:59	05/07/25 18:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.9		10.0		mg/Kg			05/07/25 14:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: CS-17 (3.5')

Lab Sample ID: 880-57816-17

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:39	05/08/25 02:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/07/25 08:39	05/08/25 02:20	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/07/25 08:39	05/08/25 02:20	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/07/25 08:39	05/08/25 02:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/07/25 08:39	05/08/25 02:20	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/07/25 08:39	05/08/25 02:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	05/07/25 08:39	05/08/25 02:20	1
1,4-Difluorobenzene (Surr)	108		70 - 130	05/07/25 08:39	05/08/25 02:20	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			05/08/25 02:20	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			05/07/25 18:15	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		05/07/25 07:59	05/07/25 18:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/07/25 07:59	05/07/25 18:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/07/25 07:59	05/07/25 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130	05/07/25 07:59	05/07/25 18:15	1
o-Terphenyl	131	S1+	70 - 130	05/07/25 07:59	05/07/25 18:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.8		9.96		mg/Kg			05/07/25 14:41	1

Client Sample ID: CS-18 (3.5')

Lab Sample ID: 880-57816-18

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:39	05/08/25 02:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:39	05/08/25 02:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:39	05/08/25 02:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/07/25 08:39	05/08/25 02:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:39	05/08/25 02:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/07/25 08:39	05/08/25 02:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	05/07/25 08:39	05/08/25 02:40	1
1,4-Difluorobenzene (Surr)	120		70 - 130	05/07/25 08:39	05/08/25 02:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: CS-18 (3.5')

Lab Sample ID: 880-57816-18

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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			05/08/25 02:40	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			05/07/25 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	<49.8	U	49.8		mg/Kg		05/07/25 08:02	05/07/25 20:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/07/25 08:02	05/07/25 20:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/07/25 08:02	05/07/25 20:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				05/07/25 08:02	05/07/25 20:19	1
o-Terphenyl	124		70 - 130				05/07/25 08:02	05/07/25 20:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		9.94		mg/Kg			05/07/25 14:49	1

Client Sample ID: CS-19 (3.5')

Lab Sample ID: 880-57816-19

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:39	05/08/25 03:01	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/07/25 08:39	05/08/25 03:01	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/07/25 08:39	05/08/25 03:01	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/07/25 08:39	05/08/25 03:01	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/07/25 08:39	05/08/25 03:01	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/07/25 08:39	05/08/25 03:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				05/07/25 08:39	05/08/25 03:01	1
1,4-Difluorobenzene (Surr)	110		70 - 130				05/07/25 08:39	05/08/25 03:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/08/25 03:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/07/25 21:05	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	<49.6	U	49.6		mg/Kg		05/07/25 08:02	05/07/25 21:05	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/07/25 08:02	05/07/25 21:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: CS-19 (3.5')

Lab Sample ID: 880-57816-19

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:02	05/07/25 21:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				05/07/25 08:02	05/07/25 21:05	1
o-Terphenyl	71		70 - 130				05/07/25 08:02	05/07/25 21:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.9		9.92		mg/Kg			05/07/25 14:56	1

Client Sample ID: CS-20 (3.5')

Lab Sample ID: 880-57816-20

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:39	05/08/25 03:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:39	05/08/25 03:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:39	05/08/25 03:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/07/25 08:39	05/08/25 03:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:39	05/08/25 03:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/07/25 08:39	05/08/25 03:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				05/07/25 08:39	05/08/25 03:21	1
1,4-Difluorobenzene (Surr)	109		70 - 130				05/07/25 08:39	05/08/25 03:21	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			05/08/25 03:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/07/25 21:22	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	<49.6	U	49.6		mg/Kg		05/07/25 08:02	05/07/25 21:22	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/07/25 08:02	05/07/25 21:22	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/07/25 08:02	05/07/25 21:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				05/07/25 08:02	05/07/25 21:22	1
o-Terphenyl	138	S1+	70 - 130				05/07/25 08:02	05/07/25 21:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.8	F1	9.94		mg/Kg			05/07/25 11:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-57816-21

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:48	05/07/25 12:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:48	05/07/25 12:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:48	05/07/25 12:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/07/25 08:48	05/07/25 12:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:48	05/07/25 12:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/07/25 08:48	05/07/25 12:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	05/07/25 08:48	05/07/25 12:29	1
1,4-Difluorobenzene (Surr)	82		70 - 130	05/07/25 08:48	05/07/25 12:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/07/25 12:29	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			05/07/25 21:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/07/25 08:02	05/07/25 21:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/07/25 08:02	05/07/25 21:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/07/25 08:02	05/07/25 21:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130	05/07/25 08:02	05/07/25 21:37	1
o-Terphenyl	137	S1+	70 - 130	05/07/25 08:02	05/07/25 21:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.4		9.98		mg/Kg			05/07/25 12:15	1

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-57816-22

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:48	05/07/25 12:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:48	05/07/25 12:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:48	05/07/25 12:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/07/25 08:48	05/07/25 12:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:48	05/07/25 12:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/07/25 08:48	05/07/25 12:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	05/07/25 08:48	05/07/25 12:49	1
1,4-Difluorobenzene (Surr)	83		70 - 130	05/07/25 08:48	05/07/25 12:49	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-57816-22

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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			05/07/25 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			05/07/25 21:53	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		05/07/25 08:02	05/07/25 21:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/07/25 08:02	05/07/25 21:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/07/25 08:02	05/07/25 21:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				05/07/25 08:02	05/07/25 21:53	1
o-Terphenyl	141	S1+	70 - 130				05/07/25 08:02	05/07/25 21:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.9		9.90		mg/Kg			05/07/25 12:20	1

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-57816-23

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:48	05/07/25 13:10	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/07/25 08:48	05/07/25 13:10	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/07/25 08:48	05/07/25 13:10	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/07/25 08:48	05/07/25 13:10	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/07/25 08:48	05/07/25 13:10	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/07/25 08:48	05/07/25 13:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				05/07/25 08:48	05/07/25 13:10	1
1,4-Difluorobenzene (Surr)	89		70 - 130				05/07/25 08:48	05/07/25 13:10	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			05/07/25 13:10	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			05/07/25 22:08	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		05/07/25 08:02	05/07/25 22:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/07/25 08:02	05/07/25 22:08	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-57816-23

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:02	05/07/25 22:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				05/07/25 08:02	05/07/25 22:08	1
o-Terphenyl	73		70 - 130				05/07/25 08:02	05/07/25 22:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		9.94		mg/Kg			05/07/25 12:25	1

Client Sample ID: SW-4 (1.5')

Lab Sample ID: 880-57816-24

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:48	05/07/25 13:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:48	05/07/25 13:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:48	05/07/25 13:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/07/25 08:48	05/07/25 13:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:48	05/07/25 13:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/07/25 08:48	05/07/25 13:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				05/07/25 08:48	05/07/25 13:30	1
1,4-Difluorobenzene (Surr)	86		70 - 130				05/07/25 08:48	05/07/25 13:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/07/25 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	<50.0	U	50.0		mg/Kg			05/07/25 22:24	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		05/07/25 08:02	05/07/25 22:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/07/25 08:02	05/07/25 22:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/07/25 08:02	05/07/25 22:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130				05/07/25 08:02	05/07/25 22:24	1
o-Terphenyl	140	S1+	70 - 130				05/07/25 08:02	05/07/25 22:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.2		10.0		mg/Kg			05/07/25 12:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: SW-5 (1.5')

Lab Sample ID: 880-57816-25

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:48	05/07/25 13:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:48	05/07/25 13:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:48	05/07/25 13:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/07/25 08:48	05/07/25 13:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:48	05/07/25 13:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/07/25 08:48	05/07/25 13:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	05/07/25 08:48	05/07/25 13:51	1
1,4-Difluorobenzene (Surr)	86		70 - 130	05/07/25 08:48	05/07/25 13:51	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			05/07/25 13:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/07/25 22:39	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	<49.7	U	49.7		mg/Kg		05/07/25 08:02	05/07/25 22:39	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/07/25 08:02	05/07/25 22:39	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/07/25 08:02	05/07/25 22:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130	05/07/25 08:02	05/07/25 22:39	1
o-Terphenyl	73		70 - 130	05/07/25 08:02	05/07/25 22:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.1		9.96		mg/Kg			05/07/25 12:46	1

Client Sample ID: SW-6 (1.5')

Lab Sample ID: 880-57816-26

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:48	05/07/25 14:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:48	05/07/25 14:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:48	05/07/25 14:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/07/25 08:48	05/07/25 14:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:48	05/07/25 14:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/07/25 08:48	05/07/25 14:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	05/07/25 08:48	05/07/25 14:11	1
1,4-Difluorobenzene (Surr)	88		70 - 130	05/07/25 08:48	05/07/25 14:11	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: SW-6 (1.5')

Lab Sample ID: 880-57816-26

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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			05/07/25 14:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			05/07/25 22:55	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	<49.5	U	49.5		mg/Kg		05/07/25 08:02	05/07/25 22:55	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		05/07/25 08:02	05/07/25 22:55	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		05/07/25 08:02	05/07/25 22:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				05/07/25 08:02	05/07/25 22:55	1
o-Terphenyl	133	S1+	70 - 130				05/07/25 08:02	05/07/25 22:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.1		9.98		mg/Kg			05/07/25 12:51	1

Client Sample ID: SW-7 (2.5')

Lab Sample ID: 880-57816-27

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:48	05/07/25 14:31	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/07/25 08:48	05/07/25 14:31	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/07/25 08:48	05/07/25 14:31	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/07/25 08:48	05/07/25 14:31	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/07/25 08:48	05/07/25 14:31	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/07/25 08:48	05/07/25 14:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				05/07/25 08:48	05/07/25 14:31	1
1,4-Difluorobenzene (Surr)	83		70 - 130				05/07/25 08:48	05/07/25 14:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/07/25 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			05/07/25 23:09	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	<49.8	U	49.8		mg/Kg		05/07/25 08:02	05/07/25 23:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/07/25 08:02	05/07/25 23:09	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: SW-7 (2.5')

Lab Sample ID: 880-57816-27

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:02	05/07/25 23:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				05/07/25 08:02	05/07/25 23:09	1
o-Terphenyl	71		70 - 130				05/07/25 08:02	05/07/25 23:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.3		9.96		mg/Kg			05/07/25 12:56	1

Client Sample ID: SW-8 (2.5')

Lab Sample ID: 880-57816-28

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:48	05/07/25 14:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:48	05/07/25 14:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:48	05/07/25 14:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/07/25 08:48	05/07/25 14:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:48	05/07/25 14:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/07/25 08:48	05/07/25 14:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				05/07/25 08:48	05/07/25 14:52	1
1,4-Difluorobenzene (Surr)	85		70 - 130				05/07/25 08:48	05/07/25 14:52	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			05/07/25 14:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/07/25 23:40	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	<49.6	U	49.6		mg/Kg		05/07/25 08:02	05/07/25 23:40	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/07/25 08:02	05/07/25 23:40	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/07/25 08:02	05/07/25 23:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				05/07/25 08:02	05/07/25 23:40	1
o-Terphenyl	138	S1+	70 - 130				05/07/25 08:02	05/07/25 23:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.0		9.96		mg/Kg			05/07/25 13:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: SW-9 (2.5')

Lab Sample ID: 880-57816-29

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:48	05/07/25 15:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:48	05/07/25 15:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:48	05/07/25 15:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/07/25 08:48	05/07/25 15:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:48	05/07/25 15:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/07/25 08:48	05/07/25 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	05/07/25 08:48	05/07/25 15:12	1
1,4-Difluorobenzene (Surr)	87		70 - 130	05/07/25 08:48	05/07/25 15:12	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			05/07/25 15:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/07/25 23:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/07/25 08:02	05/07/25 23:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/07/25 08:02	05/07/25 23:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/07/25 08:02	05/07/25 23:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130	05/07/25 08:02	05/07/25 23:55	1
o-Terphenyl	72		70 - 130	05/07/25 08:02	05/07/25 23:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.7		9.92		mg/Kg			05/07/25 13:06	1

Client Sample ID: SW-10 (3.5')

Lab Sample ID: 880-57816-30

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:48	05/07/25 16:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:48	05/07/25 16:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:48	05/07/25 16:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/07/25 08:48	05/07/25 16:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:48	05/07/25 16:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/07/25 08:48	05/07/25 16:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	05/07/25 08:48	05/07/25 16:46	1
1,4-Difluorobenzene (Surr)	89		70 - 130	05/07/25 08:48	05/07/25 16:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: SW-10 (3.5')

Lab Sample ID: 880-57816-30

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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			05/07/25 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	<49.7	U	49.7		mg/Kg			05/08/25 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	<49.7	U	49.7		mg/Kg		05/07/25 08:02	05/08/25 00:10	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/07/25 08:02	05/08/25 00:10	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/07/25 08:02	05/08/25 00:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				05/07/25 08:02	05/08/25 00:10	1
o-Terphenyl	122		70 - 130				05/07/25 08:02	05/08/25 00:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.4	F1	10.1		mg/Kg			05/07/25 13:12	1

Client Sample ID: SW-11 (3.5')

Lab Sample ID: 880-57816-31

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:48	05/07/25 17:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:48	05/07/25 17:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:48	05/07/25 17:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/07/25 08:48	05/07/25 17:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:48	05/07/25 17:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/07/25 08:48	05/07/25 17:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				05/07/25 08:48	05/07/25 17:07	1
1,4-Difluorobenzene (Surr)	88		70 - 130				05/07/25 08:48	05/07/25 17:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/07/25 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			05/08/25 00:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/07/25 08:02	05/08/25 00:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/07/25 08:02	05/08/25 00:26	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: SW-11 (3.5')

Lab Sample ID: 880-57816-31

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:02	05/08/25 00:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				05/07/25 08:02	05/08/25 00:26	1
o-Terphenyl	131	S1+	70 - 130				05/07/25 08:02	05/08/25 00:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.5		10.0		mg/Kg			05/07/25 13:38	1

Client Sample ID: SW-12 (3.5')

Lab Sample ID: 880-57816-32

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:48	05/07/25 17:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:48	05/07/25 17:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:48	05/07/25 17:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/07/25 08:48	05/07/25 17:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:48	05/07/25 17:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/07/25 08:48	05/07/25 17:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				05/07/25 08:48	05/07/25 17:27	1
1,4-Difluorobenzene (Surr)	88		70 - 130				05/07/25 08:48	05/07/25 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			05/07/25 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			05/08/25 00:40	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		05/07/25 08:02	05/08/25 00:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/07/25 08:02	05/08/25 00:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/07/25 08:02	05/08/25 00:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130				05/07/25 08:02	05/08/25 00:40	1
o-Terphenyl	139	S1+	70 - 130				05/07/25 08:02	05/08/25 00:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		9.94		mg/Kg			05/07/25 13:43	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: SW-13 (3.5')

Lab Sample ID: 880-57816-33

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:48	05/07/25 17:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:48	05/07/25 17:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:48	05/07/25 17:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/07/25 08:48	05/07/25 17:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:48	05/07/25 17:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/07/25 08:48	05/07/25 17:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	05/07/25 08:48	05/07/25 17:47	1
1,4-Difluorobenzene (Surr)	84		70 - 130	05/07/25 08:48	05/07/25 17:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/07/25 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	<50.0	U	50.0		mg/Kg			05/08/25 00:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/07/25 08:02	05/08/25 00:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/07/25 08:02	05/08/25 00:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/07/25 08:02	05/08/25 00:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	05/07/25 08:02	05/08/25 00:55	1
o-Terphenyl	130		70 - 130	05/07/25 08:02	05/08/25 00:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.3		9.92		mg/Kg			05/07/25 13:58	1

Client Sample ID: SW-14 (3.5')

Lab Sample ID: 880-57816-34

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:48	05/07/25 18:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/07/25 08:48	05/07/25 18:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/07/25 08:48	05/07/25 18:08	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/07/25 08:48	05/07/25 18:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/07/25 08:48	05/07/25 18:08	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/07/25 08:48	05/07/25 18:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	05/07/25 08:48	05/07/25 18:08	1
1,4-Difluorobenzene (Surr)	90		70 - 130	05/07/25 08:48	05/07/25 18:08	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: SW-14 (3.5')

Lab Sample ID: 880-57816-34

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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			05/07/25 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			05/08/25 01:10	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	<49.8	U	49.8		mg/Kg		05/07/25 08:02	05/08/25 01:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/07/25 08:02	05/08/25 01:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/07/25 08:02	05/08/25 01:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130				05/07/25 08:02	05/08/25 01:10	1
o-Terphenyl	72		70 - 130				05/07/25 08:02	05/08/25 01:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.9		10.0		mg/Kg			05/07/25 14:04	1

Client Sample ID: SW-15 (3.5')

Lab Sample ID: 880-57816-35

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:48	05/07/25 18:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:48	05/07/25 18:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:48	05/07/25 18:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/07/25 08:48	05/07/25 18:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:48	05/07/25 18:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/07/25 08:48	05/07/25 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				05/07/25 08:48	05/07/25 18:28	1
1,4-Difluorobenzene (Surr)	85		70 - 130				05/07/25 08:48	05/07/25 18:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/07/25 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	<49.7	U	49.7		mg/Kg			05/08/25 01:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/07/25 08:02	05/08/25 01:26	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/07/25 08:02	05/08/25 01:26	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: SW-15 (3.5')

Lab Sample ID: 880-57816-35

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/07/25 08:02	05/08/25 01:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				05/07/25 08:02	05/08/25 01:26	1
o-Terphenyl	132	S1+	70 - 130				05/07/25 08:02	05/08/25 01:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.7		10.0		mg/Kg			05/07/25 14:09	1

Client Sample ID: SW-16 (3.5')

Lab Sample ID: 880-57816-36

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:48	05/07/25 18:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:48	05/07/25 18:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:48	05/07/25 18:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/07/25 08:48	05/07/25 18:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:48	05/07/25 18:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/07/25 08:48	05/07/25 18:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				05/07/25 08:48	05/07/25 18:49	1
1,4-Difluorobenzene (Surr)	84		70 - 130				05/07/25 08:48	05/07/25 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			05/07/25 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			05/08/25 01:41	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	<50.0	U	50.0		mg/Kg		05/07/25 08:02	05/08/25 01:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/07/25 08:02	05/08/25 01:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/07/25 08:02	05/08/25 01:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				05/07/25 08:02	05/08/25 01:41	1
o-Terphenyl	139	S1+	70 - 130				05/07/25 08:02	05/08/25 01:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.2		10.1		mg/Kg			05/07/25 14:14	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: SW-17 (3.5')

Lab Sample ID: 880-57816-37

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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		05/07/25 08:48	05/07/25 19:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:48	05/07/25 19:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:48	05/07/25 19:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/07/25 08:48	05/07/25 19:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:48	05/07/25 19:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/07/25 08:48	05/07/25 19:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	05/07/25 08:48	05/07/25 19:09	1
1,4-Difluorobenzene (Surr)	93		70 - 130	05/07/25 08:48	05/07/25 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			05/07/25 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			05/08/25 01:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/07/25 08:02	05/08/25 01:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/07/25 08:02	05/08/25 01:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/07/25 08:02	05/08/25 01:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130	05/07/25 08:02	05/08/25 01:57	1
o-Terphenyl	75		70 - 130	05/07/25 08:02	05/08/25 01:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.6		10.1		mg/Kg			05/07/25 14:19	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

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)
880-57816-1	CS-1 (1.5')	102	109
880-57816-1 MS	CS-1 (1.5')	98	105
880-57816-1 MSD	CS-1 (1.5')	101	107
880-57816-2	CS-2 (1.5')	114	115
880-57816-3	CS-3 (1.5')	114	112
880-57816-4	CS-4 (1.5')	102	110
880-57816-5	CS-5 (1.5')	125	116
880-57816-6	CS-6 (1.5')	116	115
880-57816-7	CS-7 (2.5')	114	112
880-57816-8	CS-8 (2.5')	122	116
880-57816-9	CS-9 (2.5')	118	114
880-57816-10	CS-10 (2.5')	111	111
880-57816-11	CS-11 (2.5')	95	99
880-57816-12	CS-12 (2.5')	117	117
880-57816-13	CS-13 (2.5')	111	107
880-57816-14	CS-14 (2.5')	152 S1+	115
880-57816-15	CS-15 (2.5')	113	108
880-57816-16	CS-16 (3.5')	119	110
880-57816-17	CS-17 (3.5')	123	108
880-57816-18	CS-18 (3.5')	130	120
880-57816-19	CS-19 (3.5')	112	110
880-57816-20	CS-20 (3.5')	112	109
880-57816-21	SW-1 (1.5')	118	82
880-57816-22	SW-2 (1.5')	118	83
880-57816-23	SW-3 (1.5')	111	89
880-57816-24	SW-4 (1.5')	110	86
880-57816-25	SW-5 (1.5')	110	86
880-57816-26	SW-6 (1.5')	114	88
880-57816-27	SW-7 (2.5')	114	83
880-57816-28	SW-8 (2.5')	108	85
880-57816-29	SW-9 (2.5')	110	87
880-57816-30	SW-10 (3.5')	117	89
880-57816-31	SW-11 (3.5')	123	88
880-57816-32	SW-12 (3.5')	115	88
880-57816-33	SW-13 (3.5')	117	84
880-57816-34	SW-14 (3.5')	114	90
880-57816-35	SW-15 (3.5')	118	85
880-57816-36	SW-16 (3.5')	118	84
880-57816-37	SW-17 (3.5')	110	93
890-8117-A-1-E MS	Matrix Spike	120	91
890-8117-A-1-F MSD	Matrix Spike Duplicate	119	89
LCS 880-109600/1-A	Lab Control Sample	98	107
LCS 880-109602/1-A	Lab Control Sample	111	90
LCSD 880-109600/2-A	Lab Control Sample Dup	105	101
LCSD 880-109602/2-A	Lab Control Sample Dup	114	90
MB 880-109597/8	Method Blank	141 S1+	94
MB 880-109600/5-A	Method Blank	150 S1+	99
MB 880-109602/5-A	Method Blank	106	83

Surrogate Legend

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Federal 26A Battery
BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Job ID: 880-57816-1
SDG: Lea County NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
880-57816-1	CS-1 (1.5')	76	76
880-57816-2	CS-2 (1.5')	73	73
880-57816-3	CS-3 (1.5')	74	75
880-57816-4	CS-4 (1.5')	72	71
880-57816-5	CS-5 (1.5')	73	72
880-57816-6	CS-6 (1.5')	77	76
880-57816-7	CS-7 (2.5')	73	73
880-57816-8	CS-8 (2.5')	86	83
880-57816-9	CS-9 (2.5')	127	131 S1+
880-57816-10	CS-10 (2.5')	126	134 S1+
880-57816-11	CS-11 (2.5')	75	73
880-57816-12	CS-12 (2.5')	121	128
880-57816-13	CS-13 (2.5')	123	129
880-57816-14	CS-14 (2.5')	73	74
880-57816-15	CS-15 (2.5')	126	133 S1+
880-57816-16	CS-16 (3.5')	125	127
880-57816-17	CS-17 (3.5')	125	131 S1+
880-57816-18	CS-18 (3.5')	118	124
880-57816-18 MS	CS-18 (3.5')	124	123
880-57816-18 MSD	CS-18 (3.5')	141 S1+	136 S1+
880-57816-19	CS-19 (3.5')	72	71
880-57816-20	CS-20 (3.5')	138 S1+	138 S1+
880-57816-21	SW-1 (1.5')	140 S1+	137 S1+
880-57816-22	SW-2 (1.5')	140 S1+	141 S1+
880-57816-23	SW-3 (1.5')	74	73
880-57816-24	SW-4 (1.5')	139 S1+	140 S1+
880-57816-25	SW-5 (1.5')	74	73
880-57816-26	SW-6 (1.5')	127	133 S1+
880-57816-27	SW-7 (2.5')	72	71
880-57816-28	SW-8 (2.5')	140 S1+	138 S1+
880-57816-29	SW-9 (2.5')	72	72
880-57816-30	SW-10 (3.5')	119	122
880-57816-31	SW-11 (3.5')	124	131 S1+
880-57816-32	SW-12 (3.5')	141 S1+	139 S1+
880-57816-33	SW-13 (3.5')	124	130
880-57816-34	SW-14 (3.5')	71	72
880-57816-35	SW-15 (3.5')	126	132 S1+
880-57816-36	SW-16 (3.5')	132 S1+	139 S1+
880-57816-37	SW-17 (3.5')	75	75
890-8117-A-1-B MS	Matrix Spike	83	78
890-8117-A-1-C MSD	Matrix Spike Duplicate	80	78
LCS 880-109587/2-A	Lab Control Sample	115	113
LCS 880-109588/2-A	Lab Control Sample	88	84
LCSD 880-109587/3-A	Lab Control Sample Dup	117	114
LCSD 880-109588/3-A	Lab Control Sample Dup	83	79
MB 880-109587/1-A	Method Blank	121	120
MB 880-109588/1-A	Method Blank	135 S1+	133 S1+

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

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

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-109597/8

Matrix: Solid

Analysis Batch: 109597

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			05/07/25 12:20	1
Toluene	<0.00200	U	0.00200		mg/Kg			05/07/25 12:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			05/07/25 12:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			05/07/25 12:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			05/07/25 12:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			05/07/25 12:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130		05/07/25 12:20	1
1,4-Difluorobenzene (Surr)	94		70 - 130		05/07/25 12:20	1

Lab Sample ID: MB 880-109600/5-A

Matrix: Solid

Analysis Batch: 109597

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109600

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:39	05/07/25 18:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:39	05/07/25 18:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:39	05/07/25 18:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/07/25 08:39	05/07/25 18:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:39	05/07/25 18:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/07/25 08:39	05/07/25 18:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130	05/07/25 08:39	05/07/25 18:54	1
1,4-Difluorobenzene (Surr)	99		70 - 130	05/07/25 08:39	05/07/25 18:54	1

Lab Sample ID: LCS 880-109600/1-A

Matrix: Solid

Analysis Batch: 109597

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109600

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1122		mg/Kg		112	70 - 130
Toluene	0.100	0.09637		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.1032		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2012		mg/Kg		101	70 - 130
o-Xylene	0.100	0.1046		mg/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-109600/2-A

Matrix: Solid

Analysis Batch: 109597

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109600

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1148		mg/Kg		115	70 - 130	2	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-109600/2-A

Matrix: Solid

Analysis Batch: 109597

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109600

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09781		mg/Kg		98	70 - 130	1	35
Ethylbenzene	0.100	0.1091		mg/Kg		109	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1824		mg/Kg		91	70 - 130	10	35
o-Xylene	0.100	0.1091		mg/Kg		109	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-57816-1 MS

Matrix: Solid

Analysis Batch: 109597

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 109600

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09438		mg/Kg		94	70 - 130
Toluene	<0.00200	U	0.100	0.07635		mg/Kg		76	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.07975		mg/Kg		80	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1463		mg/Kg		73	70 - 130
o-Xylene	<0.00200	U	0.100	0.07618		mg/Kg		76	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-57816-1 MSD

Matrix: Solid

Analysis Batch: 109597

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 109600

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	0.09930		mg/Kg		99	70 - 130	5	35
Toluene	<0.00200	U	0.100	0.07819		mg/Kg		78	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.08748		mg/Kg		87	70 - 130	9	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1646		mg/Kg		82	70 - 130	12	35
o-Xylene	<0.00200	U	0.100	0.08651		mg/Kg		87	70 - 130	13	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: MB 880-109602/5-A

Matrix: Solid

Analysis Batch: 109595

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109602

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:48	05/07/25 11:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:48	05/07/25 11:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:48	05/07/25 11:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/07/25 08:48	05/07/25 11:47	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-109602/5-A

Matrix: Solid

Analysis Batch: 109595

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109602

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:48	05/07/25 11:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/07/25 08:48	05/07/25 11:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	05/07/25 08:48	05/07/25 11:47	1
1,4-Difluorobenzene (Surr)	83		70 - 130	05/07/25 08:48	05/07/25 11:47	1

Lab Sample ID: LCS 880-109602/1-A

Matrix: Solid

Analysis Batch: 109595

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109602

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08248		mg/Kg		82	70 - 130
Toluene	0.100	0.09432		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.09721		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.2001		mg/Kg		100	70 - 130
o-Xylene	0.100	0.09434		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-109602/2-A

Matrix: Solid

Analysis Batch: 109595

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109602

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09445		mg/Kg		94	70 - 130	14	35
Toluene	0.100	0.1037		mg/Kg		104	70 - 130	10	35
Ethylbenzene	0.100	0.1094		mg/Kg		109	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.2281		mg/Kg		114	70 - 130	13	35
o-Xylene	0.100	0.1068		mg/Kg		107	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 890-8117-A-1-E MS

Matrix: Solid

Analysis Batch: 109595

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 109602

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09381		mg/Kg		94	70 - 130
Toluene	<0.00200	U	0.100	0.1036		mg/Kg		104	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1123		mg/Kg		112	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2290		mg/Kg		114	70 - 130
o-Xylene	<0.00200	U	0.100	0.1064		mg/Kg		106	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

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

Lab Sample ID: 890-8117-A-1-E MS

Matrix: Solid

Analysis Batch: 109595

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 109602

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 890-8117-A-1-F MSD

Matrix: Solid

Analysis Batch: 109595

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 109602

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	0.09164		mg/Kg		92	70 - 130	2	35
Toluene	<0.00200	U	0.100	0.1022		mg/Kg		102	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.1079		mg/Kg		108	70 - 130	4	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2262		mg/Kg		113	70 - 130	1	35
o-Xylene	<0.00200	U	0.100	0.1053		mg/Kg		105	70 - 130	1	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

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

Lab Sample ID: MB 880-109587/1-A

Matrix: Solid

Analysis Batch: 109633

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109587

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		05/07/25 07:56	05/07/25 01:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/07/25 07:56	05/07/25 01:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/07/25 07:56	05/07/25 01:46	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	121		70 - 130	05/07/25 07:56	05/07/25 01:46	1			
o-Terphenyl	120		70 - 130	05/07/25 07:56	05/07/25 01:46	1			

Lab Sample ID: LCS 880-109587/2-A

Matrix: Solid

Analysis Batch: 109633

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109587

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1024		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1026		mg/Kg		103	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	113		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-109587/3-A

Matrix: Solid

Analysis Batch: 109633

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109587

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1077		mg/Kg		108	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	1049		mg/Kg		105	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	117		70 - 130						
o-Terphenyl	114		70 - 130						

Lab Sample ID: 890-8117-A-1-B MS

Matrix: Solid

Analysis Batch: 109633

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 109587

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	1046		mg/Kg		105	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	996	933.3		mg/Kg		91	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	83		70 - 130								
o-Terphenyl	78		70 - 130								

Lab Sample ID: 890-8117-A-1-C MSD

Matrix: Solid

Analysis Batch: 109633

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 109587

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	1049		mg/Kg		105	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	937.7		mg/Kg		91	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	80		70 - 130								
o-Terphenyl	78		70 - 130								

Lab Sample ID: MB 880-109588/1-A

Matrix: Solid

Analysis Batch: 109633

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109588

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		05/07/25 07:56	05/07/25 19:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/07/25 07:56	05/07/25 19:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/07/25 07:56	05/07/25 19:32	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-109588/1-A

Matrix: Solid

Analysis Batch: 109633

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109588

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
1-Chlorooctane	135	S1+	70 - 130	05/07/25 07:56	05/07/25 19:32	1				
o-Terphenyl	133	S1+	70 - 130	05/07/25 07:56	05/07/25 19:32	1				

Lab Sample ID: LCS 880-109588/2-A

Matrix: Solid

Analysis Batch: 109633

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109588

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1193		mg/Kg		119	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1137		mg/Kg		114	70 - 130		

	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	88		70 - 130								
o-Terphenyl	84		70 - 130								

Lab Sample ID: LCSD 880-109588/3-A

Matrix: Solid

Analysis Batch: 109633

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109588

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1114		mg/Kg		111	70 - 130	7	20	
Diesel Range Organics (Over C10-C28)			1000	1025		mg/Kg		102	70 - 130	10	20	

	LCSD	LCSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	83		70 - 130									
o-Terphenyl	79		70 - 130									

Lab Sample ID: 880-57816-18 MS

Matrix: Solid

Analysis Batch: 109633

Client Sample ID: CS-18 (3.5')

Prep Type: Total/NA

Prep Batch: 109588

	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	992	812.2		mg/Kg		82	70 - 130			
Diesel Range Organics (Over C10-C28)	<49.8	U	992	808.3		mg/Kg		81	70 - 130			

	MS	MS										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	124		70 - 130									
o-Terphenyl	123		70 - 130									

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

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

Lab Sample ID: 880-57816-18 MSD

Matrix: Solid

Analysis Batch: 109633

Client Sample ID: CS-18 (3.5')

Prep Type: Total/NA

Prep Batch: 109588

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	<49.8	U	992	922.5		mg/Kg		93	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	<49.8	U	992	916.4		mg/Kg		92	70 - 130	13	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	141	S1+	70 - 130								
o-Terphenyl	136	S1+	70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-109591/1-A

Matrix: Solid

Analysis Batch: 109604

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			05/07/25 11:15	1

Lab Sample ID: LCS 880-109591/2-A

Matrix: Solid

Analysis Batch: 109604

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.9		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-109591/3-A

Matrix: Solid

Analysis Batch: 109604

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: 880-57816-10 MS

Matrix: Solid

Analysis Batch: 109604

Client Sample ID: CS-10 (2.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	95.1		249	358.2		mg/Kg		106	90 - 110

Lab Sample ID: 880-57816-10 MSD

Matrix: Solid

Analysis Batch: 109604

Client Sample ID: CS-10 (2.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	95.1		249	358.6		mg/Kg		106	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-109592/1-A
Matrix: Solid
Analysis Batch: 109609

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			05/07/25 11:43	1

Lab Sample ID: LCS 880-109592/2-A
Matrix: Solid
Analysis Batch: 109609

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	248.5		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-109592/3-A
Matrix: Solid
Analysis Batch: 109609

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	250.2		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 880-57816-20 MS
Matrix: Solid
Analysis Batch: 109609

Client Sample ID: CS-20 (3.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	86.8	F1	249	366.0	F1	mg/Kg		112	90 - 110

Lab Sample ID: 880-57816-20 MSD
Matrix: Solid
Analysis Batch: 109609

Client Sample ID: CS-20 (3.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	86.8	F1	249	366.8	F1	mg/Kg		113	90 - 110	0	20

Lab Sample ID: 880-57816-30 MS
Matrix: Solid
Analysis Batch: 109609

Client Sample ID: SW-10 (3.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	65.4	F1	253	365.2	F1	mg/Kg		119	90 - 110

Lab Sample ID: 880-57816-30 MSD
Matrix: Solid
Analysis Batch: 109609

Client Sample ID: SW-10 (3.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	65.4	F1	253	363.1	F1	mg/Kg		118	90 - 110	1	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

GC VOA

Analysis Batch: 109595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57816-21	SW-1 (1.5')	Total/NA	Solid	8021B	109602
880-57816-22	SW-2 (1.5')	Total/NA	Solid	8021B	109602
880-57816-23	SW-3 (1.5')	Total/NA	Solid	8021B	109602
880-57816-24	SW-4 (1.5')	Total/NA	Solid	8021B	109602
880-57816-25	SW-5 (1.5')	Total/NA	Solid	8021B	109602
880-57816-26	SW-6 (1.5')	Total/NA	Solid	8021B	109602
880-57816-27	SW-7 (2.5')	Total/NA	Solid	8021B	109602
880-57816-28	SW-8 (2.5')	Total/NA	Solid	8021B	109602
880-57816-29	SW-9 (2.5')	Total/NA	Solid	8021B	109602
880-57816-30	SW-10 (3.5')	Total/NA	Solid	8021B	109602
880-57816-31	SW-11 (3.5')	Total/NA	Solid	8021B	109602
880-57816-32	SW-12 (3.5')	Total/NA	Solid	8021B	109602
880-57816-33	SW-13 (3.5')	Total/NA	Solid	8021B	109602
880-57816-34	SW-14 (3.5')	Total/NA	Solid	8021B	109602
880-57816-35	SW-15 (3.5')	Total/NA	Solid	8021B	109602
880-57816-36	SW-16 (3.5')	Total/NA	Solid	8021B	109602
880-57816-37	SW-17 (3.5')	Total/NA	Solid	8021B	109602
MB 880-109602/5-A	Method Blank	Total/NA	Solid	8021B	109602
LCS 880-109602/1-A	Lab Control Sample	Total/NA	Solid	8021B	109602
LCSD 880-109602/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	109602
890-8117-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	109602
890-8117-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	109602

Analysis Batch: 109597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57816-1	CS-1 (1.5')	Total/NA	Solid	8021B	109600
880-57816-2	CS-2 (1.5')	Total/NA	Solid	8021B	109600
880-57816-3	CS-3 (1.5')	Total/NA	Solid	8021B	109600
880-57816-4	CS-4 (1.5')	Total/NA	Solid	8021B	109600
880-57816-5	CS-5 (1.5')	Total/NA	Solid	8021B	109600
880-57816-6	CS-6 (1.5')	Total/NA	Solid	8021B	109600
880-57816-7	CS-7 (2.5')	Total/NA	Solid	8021B	109600
880-57816-8	CS-8 (2.5')	Total/NA	Solid	8021B	109600
880-57816-9	CS-9 (2.5')	Total/NA	Solid	8021B	109600
880-57816-10	CS-10 (2.5')	Total/NA	Solid	8021B	109600
880-57816-11	CS-11 (2.5')	Total/NA	Solid	8021B	109600
880-57816-12	CS-12 (2.5')	Total/NA	Solid	8021B	109600
880-57816-13	CS-13 (2.5')	Total/NA	Solid	8021B	109600
880-57816-14	CS-14 (2.5')	Total/NA	Solid	8021B	109600
880-57816-15	CS-15 (2.5')	Total/NA	Solid	8021B	109600
880-57816-16	CS-16 (3.5')	Total/NA	Solid	8021B	109600
880-57816-17	CS-17 (3.5')	Total/NA	Solid	8021B	109600
880-57816-18	CS-18 (3.5')	Total/NA	Solid	8021B	109600
880-57816-19	CS-19 (3.5')	Total/NA	Solid	8021B	109600
880-57816-20	CS-20 (3.5')	Total/NA	Solid	8021B	109600
MB 880-109597/8	Method Blank	Total/NA	Solid	8021B	
MB 880-109600/5-A	Method Blank	Total/NA	Solid	8021B	109600
LCS 880-109600/1-A	Lab Control Sample	Total/NA	Solid	8021B	109600
LCSD 880-109600/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	109600
880-57816-1 MS	CS-1 (1.5')	Total/NA	Solid	8021B	109600
880-57816-1 MSD	CS-1 (1.5')	Total/NA	Solid	8021B	109600

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

GC VOA

Prep Batch: 109600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57816-1	CS-1 (1.5')	Total/NA	Solid	5035	
880-57816-2	CS-2 (1.5')	Total/NA	Solid	5035	
880-57816-3	CS-3 (1.5')	Total/NA	Solid	5035	
880-57816-4	CS-4 (1.5')	Total/NA	Solid	5035	
880-57816-5	CS-5 (1.5')	Total/NA	Solid	5035	
880-57816-6	CS-6 (1.5')	Total/NA	Solid	5035	
880-57816-7	CS-7 (2.5')	Total/NA	Solid	5035	
880-57816-8	CS-8 (2.5')	Total/NA	Solid	5035	
880-57816-9	CS-9 (2.5')	Total/NA	Solid	5035	
880-57816-10	CS-10 (2.5')	Total/NA	Solid	5035	
880-57816-11	CS-11 (2.5')	Total/NA	Solid	5035	
880-57816-12	CS-12 (2.5')	Total/NA	Solid	5035	
880-57816-13	CS-13 (2.5')	Total/NA	Solid	5035	
880-57816-14	CS-14 (2.5')	Total/NA	Solid	5035	
880-57816-15	CS-15 (2.5')	Total/NA	Solid	5035	
880-57816-16	CS-16 (3.5')	Total/NA	Solid	5035	
880-57816-17	CS-17 (3.5')	Total/NA	Solid	5035	
880-57816-18	CS-18 (3.5')	Total/NA	Solid	5035	
880-57816-19	CS-19 (3.5')	Total/NA	Solid	5035	
880-57816-20	CS-20 (3.5')	Total/NA	Solid	5035	
MB 880-109600/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-109600/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-109600/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-57816-1 MS	CS-1 (1.5')	Total/NA	Solid	5035	
880-57816-1 MSD	CS-1 (1.5')	Total/NA	Solid	5035	

Prep Batch: 109602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57816-21	SW-1 (1.5')	Total/NA	Solid	5035	
880-57816-22	SW-2 (1.5')	Total/NA	Solid	5035	
880-57816-23	SW-3 (1.5')	Total/NA	Solid	5035	
880-57816-24	SW-4 (1.5')	Total/NA	Solid	5035	
880-57816-25	SW-5 (1.5')	Total/NA	Solid	5035	
880-57816-26	SW-6 (1.5')	Total/NA	Solid	5035	
880-57816-27	SW-7 (2.5')	Total/NA	Solid	5035	
880-57816-28	SW-8 (2.5')	Total/NA	Solid	5035	
880-57816-29	SW-9 (2.5')	Total/NA	Solid	5035	
880-57816-30	SW-10 (3.5')	Total/NA	Solid	5035	
880-57816-31	SW-11 (3.5')	Total/NA	Solid	5035	
880-57816-32	SW-12 (3.5')	Total/NA	Solid	5035	
880-57816-33	SW-13 (3.5')	Total/NA	Solid	5035	
880-57816-34	SW-14 (3.5')	Total/NA	Solid	5035	
880-57816-35	SW-15 (3.5')	Total/NA	Solid	5035	
880-57816-36	SW-16 (3.5')	Total/NA	Solid	5035	
880-57816-37	SW-17 (3.5')	Total/NA	Solid	5035	
MB 880-109602/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-109602/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-109602/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8117-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-8117-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

GC VOA

Analysis Batch: 109748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57816-1	CS-1 (1.5')	Total/NA	Solid	Total BTEX	
880-57816-2	CS-2 (1.5')	Total/NA	Solid	Total BTEX	
880-57816-3	CS-3 (1.5')	Total/NA	Solid	Total BTEX	
880-57816-4	CS-4 (1.5')	Total/NA	Solid	Total BTEX	
880-57816-5	CS-5 (1.5')	Total/NA	Solid	Total BTEX	
880-57816-6	CS-6 (1.5')	Total/NA	Solid	Total BTEX	
880-57816-7	CS-7 (2.5')	Total/NA	Solid	Total BTEX	
880-57816-8	CS-8 (2.5')	Total/NA	Solid	Total BTEX	
880-57816-9	CS-9 (2.5')	Total/NA	Solid	Total BTEX	
880-57816-10	CS-10 (2.5')	Total/NA	Solid	Total BTEX	
880-57816-11	CS-11 (2.5')	Total/NA	Solid	Total BTEX	
880-57816-12	CS-12 (2.5')	Total/NA	Solid	Total BTEX	
880-57816-13	CS-13 (2.5')	Total/NA	Solid	Total BTEX	
880-57816-14	CS-14 (2.5')	Total/NA	Solid	Total BTEX	
880-57816-15	CS-15 (2.5')	Total/NA	Solid	Total BTEX	
880-57816-16	CS-16 (3.5')	Total/NA	Solid	Total BTEX	
880-57816-17	CS-17 (3.5')	Total/NA	Solid	Total BTEX	
880-57816-18	CS-18 (3.5')	Total/NA	Solid	Total BTEX	
880-57816-19	CS-19 (3.5')	Total/NA	Solid	Total BTEX	
880-57816-20	CS-20 (3.5')	Total/NA	Solid	Total BTEX	
880-57816-21	SW-1 (1.5')	Total/NA	Solid	Total BTEX	
880-57816-22	SW-2 (1.5')	Total/NA	Solid	Total BTEX	
880-57816-23	SW-3 (1.5')	Total/NA	Solid	Total BTEX	
880-57816-24	SW-4 (1.5')	Total/NA	Solid	Total BTEX	
880-57816-25	SW-5 (1.5')	Total/NA	Solid	Total BTEX	
880-57816-26	SW-6 (1.5')	Total/NA	Solid	Total BTEX	
880-57816-27	SW-7 (2.5')	Total/NA	Solid	Total BTEX	
880-57816-28	SW-8 (2.5')	Total/NA	Solid	Total BTEX	
880-57816-29	SW-9 (2.5')	Total/NA	Solid	Total BTEX	
880-57816-30	SW-10 (3.5')	Total/NA	Solid	Total BTEX	
880-57816-31	SW-11 (3.5')	Total/NA	Solid	Total BTEX	
880-57816-32	SW-12 (3.5')	Total/NA	Solid	Total BTEX	
880-57816-33	SW-13 (3.5')	Total/NA	Solid	Total BTEX	
880-57816-34	SW-14 (3.5')	Total/NA	Solid	Total BTEX	
880-57816-35	SW-15 (3.5')	Total/NA	Solid	Total BTEX	
880-57816-36	SW-16 (3.5')	Total/NA	Solid	Total BTEX	
880-57816-37	SW-17 (3.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 109587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57816-1	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-57816-2	CS-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-57816-3	CS-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-57816-4	CS-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-57816-5	CS-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-57816-6	CS-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-57816-7	CS-7 (2.5')	Total/NA	Solid	8015NM Prep	
880-57816-8	CS-8 (2.5')	Total/NA	Solid	8015NM Prep	
880-57816-9	CS-9 (2.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 109587 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57816-10	CS-10 (2.5')	Total/NA	Solid	8015NM Prep	
880-57816-11	CS-11 (2.5')	Total/NA	Solid	8015NM Prep	
880-57816-12	CS-12 (2.5')	Total/NA	Solid	8015NM Prep	
880-57816-13	CS-13 (2.5')	Total/NA	Solid	8015NM Prep	
880-57816-14	CS-14 (2.5')	Total/NA	Solid	8015NM Prep	
880-57816-15	CS-15 (2.5')	Total/NA	Solid	8015NM Prep	
880-57816-16	CS-16 (3.5')	Total/NA	Solid	8015NM Prep	
880-57816-17	CS-17 (3.5')	Total/NA	Solid	8015NM Prep	
MB 880-109587/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-109587/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-109587/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8117-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8117-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 109588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57816-18	CS-18 (3.5')	Total/NA	Solid	8015NM Prep	
880-57816-19	CS-19 (3.5')	Total/NA	Solid	8015NM Prep	
880-57816-20	CS-20 (3.5')	Total/NA	Solid	8015NM Prep	
880-57816-21	SW-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-57816-22	SW-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-57816-23	SW-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-57816-24	SW-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-57816-25	SW-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-57816-26	SW-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-57816-27	SW-7 (2.5')	Total/NA	Solid	8015NM Prep	
880-57816-28	SW-8 (2.5')	Total/NA	Solid	8015NM Prep	
880-57816-29	SW-9 (2.5')	Total/NA	Solid	8015NM Prep	
880-57816-30	SW-10 (3.5')	Total/NA	Solid	8015NM Prep	
880-57816-31	SW-11 (3.5')	Total/NA	Solid	8015NM Prep	
880-57816-32	SW-12 (3.5')	Total/NA	Solid	8015NM Prep	
880-57816-33	SW-13 (3.5')	Total/NA	Solid	8015NM Prep	
880-57816-34	SW-14 (3.5')	Total/NA	Solid	8015NM Prep	
880-57816-35	SW-15 (3.5')	Total/NA	Solid	8015NM Prep	
880-57816-36	SW-16 (3.5')	Total/NA	Solid	8015NM Prep	
880-57816-37	SW-17 (3.5')	Total/NA	Solid	8015NM Prep	
MB 880-109588/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-109588/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-109588/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-57816-18 MS	CS-18 (3.5')	Total/NA	Solid	8015NM Prep	
880-57816-18 MSD	CS-18 (3.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 109633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57816-1	CS-1 (1.5')	Total/NA	Solid	8015B NM	109587
880-57816-2	CS-2 (1.5')	Total/NA	Solid	8015B NM	109587
880-57816-3	CS-3 (1.5')	Total/NA	Solid	8015B NM	109587
880-57816-4	CS-4 (1.5')	Total/NA	Solid	8015B NM	109587
880-57816-5	CS-5 (1.5')	Total/NA	Solid	8015B NM	109587
880-57816-6	CS-6 (1.5')	Total/NA	Solid	8015B NM	109587
880-57816-7	CS-7 (2.5')	Total/NA	Solid	8015B NM	109587

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 109633 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57816-8	CS-8 (2.5')	Total/NA	Solid	8015B NM	109587
880-57816-9	CS-9 (2.5')	Total/NA	Solid	8015B NM	109587
880-57816-10	CS-10 (2.5')	Total/NA	Solid	8015B NM	109587
880-57816-11	CS-11 (2.5')	Total/NA	Solid	8015B NM	109587
880-57816-12	CS-12 (2.5')	Total/NA	Solid	8015B NM	109587
880-57816-13	CS-13 (2.5')	Total/NA	Solid	8015B NM	109587
880-57816-14	CS-14 (2.5')	Total/NA	Solid	8015B NM	109587
880-57816-15	CS-15 (2.5')	Total/NA	Solid	8015B NM	109587
880-57816-16	CS-16 (3.5')	Total/NA	Solid	8015B NM	109587
880-57816-17	CS-17 (3.5')	Total/NA	Solid	8015B NM	109587
880-57816-18	CS-18 (3.5')	Total/NA	Solid	8015B NM	109588
880-57816-19	CS-19 (3.5')	Total/NA	Solid	8015B NM	109588
880-57816-20	CS-20 (3.5')	Total/NA	Solid	8015B NM	109588
880-57816-21	SW-1 (1.5')	Total/NA	Solid	8015B NM	109588
880-57816-22	SW-2 (1.5')	Total/NA	Solid	8015B NM	109588
880-57816-23	SW-3 (1.5')	Total/NA	Solid	8015B NM	109588
880-57816-24	SW-4 (1.5')	Total/NA	Solid	8015B NM	109588
880-57816-25	SW-5 (1.5')	Total/NA	Solid	8015B NM	109588
880-57816-26	SW-6 (1.5')	Total/NA	Solid	8015B NM	109588
880-57816-27	SW-7 (2.5')	Total/NA	Solid	8015B NM	109588
880-57816-28	SW-8 (2.5')	Total/NA	Solid	8015B NM	109588
880-57816-29	SW-9 (2.5')	Total/NA	Solid	8015B NM	109588
880-57816-30	SW-10 (3.5')	Total/NA	Solid	8015B NM	109588
880-57816-31	SW-11 (3.5')	Total/NA	Solid	8015B NM	109588
880-57816-32	SW-12 (3.5')	Total/NA	Solid	8015B NM	109588
880-57816-33	SW-13 (3.5')	Total/NA	Solid	8015B NM	109588
880-57816-34	SW-14 (3.5')	Total/NA	Solid	8015B NM	109588
880-57816-35	SW-15 (3.5')	Total/NA	Solid	8015B NM	109588
880-57816-36	SW-16 (3.5')	Total/NA	Solid	8015B NM	109588
880-57816-37	SW-17 (3.5')	Total/NA	Solid	8015B NM	109588
MB 880-109587/1-A	Method Blank	Total/NA	Solid	8015B NM	109587
MB 880-109588/1-A	Method Blank	Total/NA	Solid	8015B NM	109588
LCS 880-109587/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	109587
LCS 880-109588/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	109588
LCSD 880-109587/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	109587
LCSD 880-109588/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	109588
880-57816-18 MS	CS-18 (3.5')	Total/NA	Solid	8015B NM	109588
880-57816-18 MSD	CS-18 (3.5')	Total/NA	Solid	8015B NM	109588
890-8117-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	109587
890-8117-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	109587

Analysis Batch: 109682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57816-1	CS-1 (1.5')	Total/NA	Solid	8015 NM	
880-57816-2	CS-2 (1.5')	Total/NA	Solid	8015 NM	
880-57816-3	CS-3 (1.5')	Total/NA	Solid	8015 NM	
880-57816-4	CS-4 (1.5')	Total/NA	Solid	8015 NM	
880-57816-5	CS-5 (1.5')	Total/NA	Solid	8015 NM	
880-57816-6	CS-6 (1.5')	Total/NA	Solid	8015 NM	
880-57816-7	CS-7 (2.5')	Total/NA	Solid	8015 NM	
880-57816-8	CS-8 (2.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 109682 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57816-9	CS-9 (2.5')	Total/NA	Solid	8015 NM	
880-57816-10	CS-10 (2.5')	Total/NA	Solid	8015 NM	
880-57816-11	CS-11 (2.5')	Total/NA	Solid	8015 NM	
880-57816-12	CS-12 (2.5')	Total/NA	Solid	8015 NM	
880-57816-13	CS-13 (2.5')	Total/NA	Solid	8015 NM	
880-57816-14	CS-14 (2.5')	Total/NA	Solid	8015 NM	
880-57816-15	CS-15 (2.5')	Total/NA	Solid	8015 NM	
880-57816-16	CS-16 (3.5')	Total/NA	Solid	8015 NM	
880-57816-17	CS-17 (3.5')	Total/NA	Solid	8015 NM	
880-57816-18	CS-18 (3.5')	Total/NA	Solid	8015 NM	
880-57816-19	CS-19 (3.5')	Total/NA	Solid	8015 NM	
880-57816-20	CS-20 (3.5')	Total/NA	Solid	8015 NM	
880-57816-21	SW-1 (1.5')	Total/NA	Solid	8015 NM	
880-57816-22	SW-2 (1.5')	Total/NA	Solid	8015 NM	
880-57816-23	SW-3 (1.5')	Total/NA	Solid	8015 NM	
880-57816-24	SW-4 (1.5')	Total/NA	Solid	8015 NM	
880-57816-25	SW-5 (1.5')	Total/NA	Solid	8015 NM	
880-57816-26	SW-6 (1.5')	Total/NA	Solid	8015 NM	
880-57816-27	SW-7 (2.5')	Total/NA	Solid	8015 NM	
880-57816-28	SW-8 (2.5')	Total/NA	Solid	8015 NM	
880-57816-29	SW-9 (2.5')	Total/NA	Solid	8015 NM	
880-57816-30	SW-10 (3.5')	Total/NA	Solid	8015 NM	
880-57816-31	SW-11 (3.5')	Total/NA	Solid	8015 NM	
880-57816-32	SW-12 (3.5')	Total/NA	Solid	8015 NM	
880-57816-33	SW-13 (3.5')	Total/NA	Solid	8015 NM	
880-57816-34	SW-14 (3.5')	Total/NA	Solid	8015 NM	
880-57816-35	SW-15 (3.5')	Total/NA	Solid	8015 NM	
880-57816-36	SW-16 (3.5')	Total/NA	Solid	8015 NM	
880-57816-37	SW-17 (3.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 109591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57816-1	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-57816-2	CS-2 (1.5')	Soluble	Solid	DI Leach	
880-57816-3	CS-3 (1.5')	Soluble	Solid	DI Leach	
880-57816-4	CS-4 (1.5')	Soluble	Solid	DI Leach	
880-57816-5	CS-5 (1.5')	Soluble	Solid	DI Leach	
880-57816-6	CS-6 (1.5')	Soluble	Solid	DI Leach	
880-57816-7	CS-7 (2.5')	Soluble	Solid	DI Leach	
880-57816-8	CS-8 (2.5')	Soluble	Solid	DI Leach	
880-57816-9	CS-9 (2.5')	Soluble	Solid	DI Leach	
880-57816-10	CS-10 (2.5')	Soluble	Solid	DI Leach	
880-57816-11	CS-11 (2.5')	Soluble	Solid	DI Leach	
880-57816-12	CS-12 (2.5')	Soluble	Solid	DI Leach	
880-57816-13	CS-13 (2.5')	Soluble	Solid	DI Leach	
880-57816-14	CS-14 (2.5')	Soluble	Solid	DI Leach	
880-57816-15	CS-15 (2.5')	Soluble	Solid	DI Leach	
880-57816-16	CS-16 (3.5')	Soluble	Solid	DI Leach	
880-57816-17	CS-17 (3.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 109591 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57816-18	CS-18 (3.5')	Soluble	Solid	DI Leach	
880-57816-19	CS-19 (3.5')	Soluble	Solid	DI Leach	
MB 880-109591/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-109591/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-109591/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-57816-10 MS	CS-10 (2.5')	Soluble	Solid	DI Leach	
880-57816-10 MSD	CS-10 (2.5')	Soluble	Solid	DI Leach	

Leach Batch: 109592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57816-20	CS-20 (3.5')	Soluble	Solid	DI Leach	
880-57816-21	SW-1 (1.5')	Soluble	Solid	DI Leach	
880-57816-22	SW-2 (1.5')	Soluble	Solid	DI Leach	
880-57816-23	SW-3 (1.5')	Soluble	Solid	DI Leach	
880-57816-24	SW-4 (1.5')	Soluble	Solid	DI Leach	
880-57816-25	SW-5 (1.5')	Soluble	Solid	DI Leach	
880-57816-26	SW-6 (1.5')	Soluble	Solid	DI Leach	
880-57816-27	SW-7 (2.5')	Soluble	Solid	DI Leach	
880-57816-28	SW-8 (2.5')	Soluble	Solid	DI Leach	
880-57816-29	SW-9 (2.5')	Soluble	Solid	DI Leach	
880-57816-30	SW-10 (3.5')	Soluble	Solid	DI Leach	
880-57816-31	SW-11 (3.5')	Soluble	Solid	DI Leach	
880-57816-32	SW-12 (3.5')	Soluble	Solid	DI Leach	
880-57816-33	SW-13 (3.5')	Soluble	Solid	DI Leach	
880-57816-34	SW-14 (3.5')	Soluble	Solid	DI Leach	
880-57816-35	SW-15 (3.5')	Soluble	Solid	DI Leach	
880-57816-36	SW-16 (3.5')	Soluble	Solid	DI Leach	
880-57816-37	SW-17 (3.5')	Soluble	Solid	DI Leach	
MB 880-109592/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-109592/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-109592/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-57816-20 MS	CS-20 (3.5')	Soluble	Solid	DI Leach	
880-57816-20 MSD	CS-20 (3.5')	Soluble	Solid	DI Leach	
880-57816-30 MS	SW-10 (3.5')	Soluble	Solid	DI Leach	
880-57816-30 MSD	SW-10 (3.5')	Soluble	Solid	DI Leach	

Analysis Batch: 109604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57816-1	CS-1 (1.5')	Soluble	Solid	300.0	109591
880-57816-2	CS-2 (1.5')	Soluble	Solid	300.0	109591
880-57816-3	CS-3 (1.5')	Soluble	Solid	300.0	109591
880-57816-4	CS-4 (1.5')	Soluble	Solid	300.0	109591
880-57816-5	CS-5 (1.5')	Soluble	Solid	300.0	109591
880-57816-6	CS-6 (1.5')	Soluble	Solid	300.0	109591
880-57816-7	CS-7 (2.5')	Soluble	Solid	300.0	109591
880-57816-8	CS-8 (2.5')	Soluble	Solid	300.0	109591
880-57816-9	CS-9 (2.5')	Soluble	Solid	300.0	109591
880-57816-10	CS-10 (2.5')	Soluble	Solid	300.0	109591
880-57816-11	CS-11 (2.5')	Soluble	Solid	300.0	109591
880-57816-12	CS-12 (2.5')	Soluble	Solid	300.0	109591
880-57816-13	CS-13 (2.5')	Soluble	Solid	300.0	109591

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

HPLC/IC (Continued)

Analysis Batch: 109604 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57816-14	CS-14 (2.5')	Soluble	Solid	300.0	109591
880-57816-15	CS-15 (2.5')	Soluble	Solid	300.0	109591
880-57816-16	CS-16 (3.5')	Soluble	Solid	300.0	109591
880-57816-17	CS-17 (3.5')	Soluble	Solid	300.0	109591
880-57816-18	CS-18 (3.5')	Soluble	Solid	300.0	109591
880-57816-19	CS-19 (3.5')	Soluble	Solid	300.0	109591
MB 880-109591/1-A	Method Blank	Soluble	Solid	300.0	109591
LCS 880-109591/2-A	Lab Control Sample	Soluble	Solid	300.0	109591
LCSD 880-109591/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	109591
880-57816-10 MS	CS-10 (2.5')	Soluble	Solid	300.0	109591
880-57816-10 MSD	CS-10 (2.5')	Soluble	Solid	300.0	109591

Analysis Batch: 109609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57816-20	CS-20 (3.5')	Soluble	Solid	300.0	109592
880-57816-21	SW-1 (1.5')	Soluble	Solid	300.0	109592
880-57816-22	SW-2 (1.5')	Soluble	Solid	300.0	109592
880-57816-23	SW-3 (1.5')	Soluble	Solid	300.0	109592
880-57816-24	SW-4 (1.5')	Soluble	Solid	300.0	109592
880-57816-25	SW-5 (1.5')	Soluble	Solid	300.0	109592
880-57816-26	SW-6 (1.5')	Soluble	Solid	300.0	109592
880-57816-27	SW-7 (2.5')	Soluble	Solid	300.0	109592
880-57816-28	SW-8 (2.5')	Soluble	Solid	300.0	109592
880-57816-29	SW-9 (2.5')	Soluble	Solid	300.0	109592
880-57816-30	SW-10 (3.5')	Soluble	Solid	300.0	109592
880-57816-31	SW-11 (3.5')	Soluble	Solid	300.0	109592
880-57816-32	SW-12 (3.5')	Soluble	Solid	300.0	109592
880-57816-33	SW-13 (3.5')	Soluble	Solid	300.0	109592
880-57816-34	SW-14 (3.5')	Soluble	Solid	300.0	109592
880-57816-35	SW-15 (3.5')	Soluble	Solid	300.0	109592
880-57816-36	SW-16 (3.5')	Soluble	Solid	300.0	109592
880-57816-37	SW-17 (3.5')	Soluble	Solid	300.0	109592
MB 880-109592/1-A	Method Blank	Soluble	Solid	300.0	109592
LCS 880-109592/2-A	Lab Control Sample	Soluble	Solid	300.0	109592
LCSD 880-109592/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	109592
880-57816-20 MS	CS-20 (3.5')	Soluble	Solid	300.0	109592
880-57816-20 MSD	CS-20 (3.5')	Soluble	Solid	300.0	109592
880-57816-30 MS	SW-10 (3.5')	Soluble	Solid	300.0	109592
880-57816-30 MSD	SW-10 (3.5')	Soluble	Solid	300.0	109592

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-57816-1

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

Prep 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	109600	05/07/25 08:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109597	05/07/25 19:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 19:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 14:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109587	05/07/25 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 14:00	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	109591	05/07/25 08:14	SA	EET MID
Soluble	Analysis	300.0		1			109604	05/07/25 11:59	CH	EET MID

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-57816-2

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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	109600	05/07/25 08:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109597	05/07/25 19:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 19:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 14:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109587	05/07/25 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 14:14	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	109591	05/07/25 08:14	SA	EET MID
Soluble	Analysis	300.0		1			109604	05/07/25 12:06	CH	EET MID

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-57816-3

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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	109600	05/07/25 08:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109597	05/07/25 20:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 20:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 14:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	109587	05/07/25 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 14:31	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	109591	05/07/25 08:14	SA	EET MID
Soluble	Analysis	300.0		1			109604	05/07/25 12:14	CH	EET MID

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-57816-4

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

Prep 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	109600	05/07/25 08:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109597	05/07/25 20:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 20:24	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-57816-4

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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			109682	05/07/25 14:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109587	05/07/25 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 14:45	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	109591	05/07/25 08:14	SA	EET MID
Soluble	Analysis	300.0		1			109604	05/07/25 12:21	CH	EET MID

Client Sample ID: CS-5 (1.5')

Lab Sample ID: 880-57816-5

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

Prep 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	109600	05/07/25 08:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109597	05/07/25 20:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 20:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 15:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	109587	05/07/25 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 15:00	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	109591	05/07/25 08:14	SA	EET MID
Soluble	Analysis	300.0		1			109604	05/07/25 12:43	CH	EET MID

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-57816-6

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

Prep 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	109600	05/07/25 08:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109597	05/07/25 21:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 21:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 15:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	109587	05/07/25 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 15:15	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	109591	05/07/25 08:14	SA	EET MID
Soluble	Analysis	300.0		1			109604	05/07/25 12:51	CH	EET MID

Client Sample ID: CS-7 (2.5')

Lab Sample ID: 880-57816-7

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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	109600	05/07/25 08:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109597	05/07/25 21:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 21:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 15:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	109587	05/07/25 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 15:32	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: CS-7 (2.5')

Lab Sample ID: 880-57816-7

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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	109591	05/07/25 08:14	SA	EET MID
Soluble	Analysis	300.0		1			109604	05/07/25 12:58	CH	EET MID

Client Sample ID: CS-8 (2.5')

Lab Sample ID: 880-57816-8

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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	109600	05/07/25 08:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109597	05/07/25 21:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 21:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 16:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109587	05/07/25 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 16:02	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	109591	05/07/25 08:14	SA	EET MID
Soluble	Analysis	300.0		1			109604	05/07/25 13:05	CH	EET MID

Client Sample ID: CS-9 (2.5')

Lab Sample ID: 880-57816-9

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

Prep 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	109600	05/07/25 08:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109597	05/07/25 22:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 22:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 16:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	109587	05/07/25 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 16:16	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	109591	05/07/25 08:14	SA	EET MID
Soluble	Analysis	300.0		1			109604	05/07/25 13:13	CH	EET MID

Client Sample ID: CS-10 (2.5')

Lab Sample ID: 880-57816-10

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

Prep 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	109600	05/07/25 08:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109597	05/07/25 22:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 22:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 16:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109587	05/07/25 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 16:32	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	109591	05/07/25 08:14	SA	EET MID
Soluble	Analysis	300.0		1			109604	05/07/25 13:20	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: CS-11 (2.5')**Lab Sample ID: 880-57816-11****Date Collected: 05/06/25 00:00****Matrix: Solid****Date Received: 05/06/25 16:30**

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	109600	05/07/25 08:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109597	05/08/25 00:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/08/25 00:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 16:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	109587	05/07/25 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 16:46	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	109591	05/07/25 08:14	SA	EET MID
Soluble	Analysis	300.0		1			109604	05/07/25 13:42	CH	EET MID

Client Sample ID: CS-12 (2.5')**Lab Sample ID: 880-57816-12****Date Collected: 05/06/25 00:00****Matrix: Solid****Date Received: 05/06/25 16:30**

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	109600	05/07/25 08:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109597	05/08/25 00:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/08/25 00:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 17:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	109587	05/07/25 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 17:01	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	109591	05/07/25 08:14	SA	EET MID
Soluble	Analysis	300.0		1			109604	05/07/25 13:50	CH	EET MID

Client Sample ID: CS-13 (2.5')**Lab Sample ID: 880-57816-13****Date Collected: 05/06/25 00:00****Matrix: Solid****Date Received: 05/06/25 16:30**

Prep 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	109600	05/07/25 08:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109597	05/08/25 00:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/08/25 00:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 17:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109587	05/07/25 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 17:16	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	109591	05/07/25 08:14	SA	EET MID
Soluble	Analysis	300.0		1			109604	05/07/25 14:12	CH	EET MID

Client Sample ID: CS-14 (2.5')**Lab Sample ID: 880-57816-14****Date Collected: 05/06/25 00:00****Matrix: Solid****Date Received: 05/06/25 16:30**

Prep 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	109600	05/07/25 08:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109597	05/08/25 01:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/08/25 01:18	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: CS-14 (2.5')

Date Collected: 05/06/25 00:00

Date Received: 05/06/25 16:30

Lab Sample ID: 880-57816-14

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			109682	05/07/25 17:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109587	05/07/25 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 17:31	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	109591	05/07/25 08:14	SA	EET MID
Soluble	Analysis	300.0		1			109604	05/07/25 14:19	CH	EET MID

Client Sample ID: CS-15 (2.5')

Date Collected: 05/06/25 00:00

Date Received: 05/06/25 16:30

Lab Sample ID: 880-57816-15

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			5.02 g	5 mL	109600	05/07/25 08:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109597	05/08/25 01:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/08/25 01:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 17:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	109587	05/07/25 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 17:46	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	109591	05/07/25 08:14	SA	EET MID
Soluble	Analysis	300.0		1			109604	05/07/25 14:27	CH	EET MID

Client Sample ID: CS-16 (3.5')

Date Collected: 05/06/25 00:00

Date Received: 05/06/25 16:30

Lab Sample ID: 880-57816-16

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	109600	05/07/25 08:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109597	05/08/25 01:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/08/25 01:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 18:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109587	05/07/25 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 18:01	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	109591	05/07/25 08:14	SA	EET MID
Soluble	Analysis	300.0		1			109604	05/07/25 14:34	CH	EET MID

Client Sample ID: CS-17 (3.5')

Date Collected: 05/06/25 00:00

Date Received: 05/06/25 16:30

Lab Sample ID: 880-57816-17

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			4.96 g	5 mL	109600	05/07/25 08:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109597	05/08/25 02:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/08/25 02:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 18:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109587	05/07/25 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 18:15	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: CS-17 (3.5')

Date Collected: 05/06/25 00:00

Date Received: 05/06/25 16:30

Lab Sample ID: 880-57816-17

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			5.02 g	50 mL	109591	05/07/25 08:14	SA	EET MID
Soluble	Analysis	300.0		1			109604	05/07/25 14:41	CH	EET MID

Client Sample ID: CS-18 (3.5')

Date Collected: 05/06/25 00:00

Date Received: 05/06/25 16:30

Lab Sample ID: 880-57816-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	109600	05/07/25 08:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109597	05/08/25 02:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/08/25 02:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 20:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	109588	05/07/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 20:19	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	109591	05/07/25 08:14	SA	EET MID
Soluble	Analysis	300.0		1			109604	05/07/25 14:49	CH	EET MID

Client Sample ID: CS-19 (3.5')

Date Collected: 05/06/25 00:00

Date Received: 05/06/25 16:30

Lab Sample ID: 880-57816-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	109600	05/07/25 08:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109597	05/08/25 03:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/08/25 03:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 21:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	109588	05/07/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 21:05	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	109591	05/07/25 08:14	SA	EET MID
Soluble	Analysis	300.0		1			109604	05/07/25 14:56	CH	EET MID

Client Sample ID: CS-20 (3.5')

Date Collected: 05/06/25 00:00

Date Received: 05/06/25 16:30

Lab Sample ID: 880-57816-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	109600	05/07/25 08:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109597	05/08/25 03:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/08/25 03:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 21:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	109588	05/07/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 21:22	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	109592	05/07/25 08:16	SA	EET MID
Soluble	Analysis	300.0		1			109609	05/07/25 11:59	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-57816-21

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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	109602	05/07/25 08:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109595	05/07/25 12:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 12:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 21:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	109588	05/07/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 21:37	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	109592	05/07/25 08:16	SA	EET MID
Soluble	Analysis	300.0		1			109609	05/07/25 12:15	CH	EET MID

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-57816-22

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

Prep 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	109602	05/07/25 08:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109595	05/07/25 12:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 12:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 21:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109588	05/07/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 21:53	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	109592	05/07/25 08:16	SA	EET MID
Soluble	Analysis	300.0		1			109609	05/07/25 12:20	CH	EET MID

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-57816-23

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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	109602	05/07/25 08:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109595	05/07/25 13:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 13:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 22:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	109588	05/07/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 22:08	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	109592	05/07/25 08:16	SA	EET MID
Soluble	Analysis	300.0		1			109609	05/07/25 12:25	CH	EET MID

Client Sample ID: SW-4 (1.5')

Lab Sample ID: 880-57816-24

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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	109602	05/07/25 08:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109595	05/07/25 13:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 13:30	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: SW-4 (1.5')

Lab Sample ID: 880-57816-24

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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			109682	05/07/25 22:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109588	05/07/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 22:24	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	109592	05/07/25 08:16	SA	EET MID
Soluble	Analysis	300.0		1			109609	05/07/25 12:30	CH	EET MID

Client Sample ID: SW-5 (1.5')

Lab Sample ID: 880-57816-25

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

Prep 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	109602	05/07/25 08:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109595	05/07/25 13:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 13:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 22:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	109588	05/07/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 22:39	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	109592	05/07/25 08:16	SA	EET MID
Soluble	Analysis	300.0		1			109609	05/07/25 12:46	CH	EET MID

Client Sample ID: SW-6 (1.5')

Lab Sample ID: 880-57816-26

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

Prep 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	109602	05/07/25 08:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109595	05/07/25 14:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 14:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 22:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	109588	05/07/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 22:55	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	109592	05/07/25 08:16	SA	EET MID
Soluble	Analysis	300.0		1			109609	05/07/25 12:51	CH	EET MID

Client Sample ID: SW-7 (2.5')

Lab Sample ID: 880-57816-27

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

Prep 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	109602	05/07/25 08:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109595	05/07/25 14:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 14:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 23:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109588	05/07/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 23:09	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: SW-7 (2.5')**Lab Sample ID: 880-57816-27****Date Collected: 05/06/25 00:00****Matrix: Solid****Date Received: 05/06/25 16:30**

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	109592	05/07/25 08:16	SA	EET MID
Soluble	Analysis	300.0		1			109609	05/07/25 12:56	CH	EET MID

Client Sample ID: SW-8 (2.5')**Lab Sample ID: 880-57816-28****Date Collected: 05/06/25 00:00****Matrix: Solid****Date Received: 05/06/25 16:30**

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	109602	05/07/25 08:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109595	05/07/25 14:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 14:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 23:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	109588	05/07/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 23:40	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	109592	05/07/25 08:16	SA	EET MID
Soluble	Analysis	300.0		1			109609	05/07/25 13:01	CH	EET MID

Client Sample ID: SW-9 (2.5')**Lab Sample ID: 880-57816-29****Date Collected: 05/06/25 00:00****Matrix: Solid****Date Received: 05/06/25 16:30**

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	109602	05/07/25 08:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109595	05/07/25 15:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 15:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/07/25 23:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109588	05/07/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/07/25 23:55	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	109592	05/07/25 08:16	SA	EET MID
Soluble	Analysis	300.0		1			109609	05/07/25 13:06	CH	EET MID

Client Sample ID: SW-10 (3.5')**Lab Sample ID: 880-57816-30****Date Collected: 05/06/25 00:00****Matrix: Solid****Date Received: 05/06/25 16:30**

Prep 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	109602	05/07/25 08:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109595	05/07/25 16:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 16:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/08/25 00:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	109588	05/07/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/08/25 00:10	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	109592	05/07/25 08:16	SA	EET MID
Soluble	Analysis	300.0		1			109609	05/07/25 13:12	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: SW-11 (3.5')**Lab Sample ID: 880-57816-31****Date Collected: 05/06/25 00:00****Matrix: Solid****Date Received: 05/06/25 16:30**

Prep 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	109602	05/07/25 08:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109595	05/07/25 17:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 17:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/08/25 00:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	109588	05/07/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/08/25 00:26	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	109592	05/07/25 08:16	SA	EET MID
Soluble	Analysis	300.0		1			109609	05/07/25 13:38	CH	EET MID

Client Sample ID: SW-12 (3.5')**Lab Sample ID: 880-57816-32****Date Collected: 05/06/25 00:00****Matrix: Solid****Date Received: 05/06/25 16:30**

Prep 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	109602	05/07/25 08:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109595	05/07/25 17:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 17:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/08/25 00:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	109588	05/07/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/08/25 00:40	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	109592	05/07/25 08:16	SA	EET MID
Soluble	Analysis	300.0		1			109609	05/07/25 13:43	CH	EET MID

Client Sample ID: SW-13 (3.5')**Lab Sample ID: 880-57816-33****Date Collected: 05/06/25 00:00****Matrix: Solid****Date Received: 05/06/25 16:30**

Prep 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	109602	05/07/25 08:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109595	05/07/25 17:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 17:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/08/25 00:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109588	05/07/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/08/25 00:55	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	109592	05/07/25 08:16	SA	EET MID
Soluble	Analysis	300.0		1			109609	05/07/25 13:58	CH	EET MID

Client Sample ID: SW-14 (3.5')**Lab Sample ID: 880-57816-34****Date Collected: 05/06/25 00:00****Matrix: Solid****Date Received: 05/06/25 16:30**

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	109602	05/07/25 08:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109595	05/07/25 18:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 18:08	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: SW-14 (3.5')

Lab Sample ID: 880-57816-34

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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			109682	05/08/25 01:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	109588	05/07/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/08/25 01:10	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	109592	05/07/25 08:16	SA	EET MID
Soluble	Analysis	300.0		1			109609	05/07/25 14:04	CH	EET MID

Client Sample ID: SW-15 (3.5')

Lab Sample ID: 880-57816-35

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

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	109602	05/07/25 08:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109595	05/07/25 18:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 18:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/08/25 01:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	109588	05/07/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/08/25 01:26	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	109592	05/07/25 08:16	SA	EET MID
Soluble	Analysis	300.0		1			109609	05/07/25 14:09	CH	EET MID

Client Sample ID: SW-16 (3.5')

Lab Sample ID: 880-57816-36

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

Prep 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	109602	05/07/25 08:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109595	05/07/25 18:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 18:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/08/25 01:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109588	05/07/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/08/25 01:41	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	109592	05/07/25 08:16	SA	EET MID
Soluble	Analysis	300.0		1			109609	05/07/25 14:14	CH	EET MID

Client Sample ID: SW-17 (3.5')

Lab Sample ID: 880-57816-37

Date Collected: 05/06/25 00:00

Matrix: Solid

Date Received: 05/06/25 16:30

Prep 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	109602	05/07/25 08:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109595	05/07/25 19:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109748	05/07/25 19:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			109682	05/08/25 01:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109588	05/07/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109633	05/08/25 01:57	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Client Sample ID: SW-17 (3.5')
Date Collected: 05/06/25 00:00
Date Received: 05/06/25 16:30

Lab Sample ID: 880-57816-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	109592	05/07/25 08:16	SA	EET MID
Soluble	Analysis	300.0		1			109609	05/07/25 14:19	CH	EET MID

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Federal 26A Battery

Job ID: 880-57816-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-57816-1	CS-1 (1.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-2	CS-2 (1.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-3	CS-3 (1.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-4	CS-4 (1.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-5	CS-5 (1.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-6	CS-6 (1.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-7	CS-7 (2.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-8	CS-8 (2.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-9	CS-9 (2.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-10	CS-10 (2.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-11	CS-11 (2.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-12	CS-12 (2.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-13	CS-13 (2.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-14	CS-14 (2.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-15	CS-15 (2.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-16	CS-16 (3.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-17	CS-17 (3.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-18	CS-18 (3.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-19	CS-19 (3.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-20	CS-20 (3.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-21	SW-1 (1.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-22	SW-2 (1.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-23	SW-3 (1.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-24	SW-4 (1.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-25	SW-5 (1.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-26	SW-6 (1.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-27	SW-7 (2.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-28	SW-8 (2.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-29	SW-9 (2.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-30	SW-10 (3.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-31	SW-11 (3.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-32	SW-12 (3.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-33	SW-13 (3.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-34	SW-14 (3.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-35	SW-15 (3.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-36	SW-16 (3.5')	Solid	05/06/25 00:00	05/06/25 16:30
880-57816-37	SW-17 (3.5')	Solid	05/06/25 00:00	05/06/25 16:30

Chain of Custody



880-57816 Chain of Custody

5/8/2025

Page 1 of 4

Project Manager:	Conner Moehring	Bill to: (if different)	Grant Huckabay & Addison Guekler
Company Name:	Carmona Resources	Company Name:	Fasken Oil and Ranch
Address:	310 W Wall St Ste 500	Address:	6101 Holiday Hill Road
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79707
Phone:	432-813-6823	Email:	Granth@forl.com & addisonq@forl.com

Work Order Comments	
Program: UST/PST	☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	
Reporting: Level II	☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD	☐ ADaPT ☐ Other: ☐

Project Name:		Federal 26A Battery		Turn Around				ANALYSIS REQUEST												Preservative Codes							
Project Number:		2680		☐ Routine ☒ Rush		Pres. Code														None: NO DI Water: H ₂ O							
Project Location		Lea County, New Mexico		Due Date:		72 HR TAT														Cool: Cool MeOH: Me							
Sampler's Name:		CRM																		HCL: HC HNO ₃ : HN							
PO #:																				H ₂ SO ₄ : H ₂ NaOH: Na							
SAMPLE RECEIPT		Temp Blank:		☒ Yes ☐ No		Wet Ice:		☒ Yes ☐ No														H ₃ PO ₄ : HP					
Received Intact:		☒ Yes ☐ No		Thermometer ID:		IR-8														NaHSO ₄ : NABIS							
Cooler Custody Seals:		☒ Yes ☐ No		Correction Factor:		-0.1														Na ₂ S ₂ O ₃ : NaSO ₃							
Sample Custody Seals:		☒ Yes ☐ No		Temperature Reading:		1.5														Zn Acetate+NaOH: Zn							
Total Containers:				Corrected Temperature:		1.4														NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
CS-1 (1.5')		5/6/2025				X				C		1		X X X													
CS-2 (1.5')		5/6/2025				X				C		1		X X X													
CS-3 (1.5')		5/6/2025				X				C		1		X X X													
CS-4 (1.5')		5/6/2025				X				C		1		X X X													
CS-5 (1.5')		5/6/2025				X				C		1		X X X													
CS-6 (1.5')		5/6/2025				X				C		1		X X X													
CS-7 (2.5')		5/6/2025				X				C		1		X X X													
CS-8 (2.5')		5/6/2025				X				C		1		X X X													
CS-9 (2.5')		5/6/2025				X				C		1		X X X													
CS-10 (2.5')		5/6/2025				X				C		1		X X X													

Comments:			

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
<i>[Signature]</i>		5/6/25@16:30		<i>[Signature]</i>		5/6/25 16:30	

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Chain of Custody

Work Order No: _____

5/8/2025

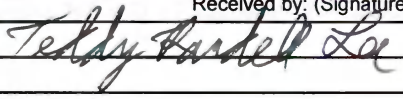
Page 2 of 4

Project Manager:	Conner Moehring	Bill to: (if different)	Grant Huckabay & Addison Guekler
Company Name:	Carmona Resources	Company Name:	Fasken Oil and Ranch
Address:	310 W Wall St Ste 500	Address:	6101 Holiday Hill Road
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79707
Phone:	432-813-6823	Email:	Granth@forl.com & addisong@forl.com

Work Order Comments	
Program: UST/PST	☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	
Reporting: Level II	☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD	☐ ADaPT ☐ Other: _____

Project Name:		Federal 26A Battery		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes								
Project Number:		2680		☐ Routine ☒ Rush			Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0																	None: NO	DI Water: H ₂ O			
Project Location		Lea County, New Mexico		Due Date:							72 HR TAT																		Cool: Cool	MeOH: Me	
Sampler's Name:		CRM																											HCL: HC	HNO ₃ : HN	
PO #:																													H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No																		H ₃ PO ₄ : HP					
Received Intact:		Yes No				Thermometer ID:																				NaHSO ₄ : NABIS					
Cooler Custody Seals:		Yes No N/A				Correction Factor:																				Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:		Yes No N/A				Temperature Reading:																				Zn Acetate+NaOH: Zn					
Total Containers:						Corrected Temperature:																				NaOH+Ascorbic Acid: SAPC					
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont																		Sample Comments	
CS-11 (2.5')		5/6/2025				X				C		1		X X X																	
CS-12 (2.5')		5/6/2025				X				C		1		X X X																	
CS-13 (2.5')		5/6/2025				X				C		1		X X X																	
CS-14 (2.5')		5/6/2025				X				C		1		X X X																	
CS-15 (2.5')		5/6/2025				X				C		1		X X X																	
CS-16 (3.5')		5/6/2025				X				C		1		X X X																	
CS-17 (3.5')		5/6/2025				X				C		1		X X X																	
CS-18 (3.5')		5/6/2025				X				C		1		X X X																	
CS-19 (3.5')		5/6/2025				X				C		1		X X X																	
CS-20 (3.5')		5/6/2025				X				C		1		X X X																	

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5/6/25 @ 16:30		5/6/25 16:30

Chain of Custody

Work Order No: _____

5/8/2025

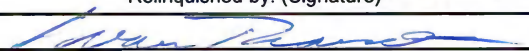
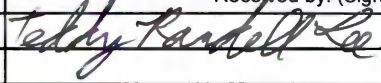
Page 3 of 4

Project Manager:	Conner Moehring	Bill to: (if different)	Grant Huckabay & Addison Guekler
Company Name:	Carmona Resources	Company Name:	Fasken Oil and Ranch
Address:	310 W Wall St Ste 500	Address:	6101 Holiday Hill Road
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79707
Phone:	432-813-6823	Email:	Granth@forl.com & addisong@forl.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADaPT ☐ Other:	

Project Name:		Federal 26A Battery		Turn Around		Pres. Code		ANALYSIS REQUEST																Preservative Codes											
Project Number:		2680		☐ Routine ☒ Rush		Due Date:		72 HR TAT		Parameters		BTEX 8021B		TPH 8015M (GRO + DRO + MRO)		Chloride 300.0																		None: NO DI Water: H ₂ O	
Project Location		Lea County, New Mexico		Due Date:		72 HR TAT																												Cool: Cool MeOH: Me	
Sampler's Name:		CRM																																HCL: HC HNO ₃ : HN	
PO #:																																		H ₂ SO ₄ : H ₂ NaOH: Na	
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No																										H ₃ PO ₄ : HP	
Received Intact:		Yes No		Thermometer ID:																														NaHSO ₄ : NABIS	
Cooler Custody Seals:		Yes No N/A		Correction Factor:																														Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:		Yes No N/A		Temperature Reading:																														Zn Acetate+NaOH: Zn	
Total Containers:				Corrected Temperature:																														NaOH+Ascorbic Acid: SAPC	
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont																						Sample Comments	
SW-1 (1.5')		5/6/2025				X				C		1		X		X																			
SW-2 (1.5')		5/6/2025				X				C		1		X		X																			
SW-3 (1.5')		5/6/2025				X				C		1		X		X																			
SW-4 (1.5')		5/6/2025				X				C		1		X		X																			
SW-5 (1.5')		5/6/2025				X				C		1		X		X																			
SW-6 (1.5')		5/6/2025				X				C		1		X		X																			
SW-7 (2.5')		5/6/2025				X				C		1		X		X																			
SW-8 (2.5')		5/6/2025				X				C		1		X		X																			
SW-9 (2.5')		5/6/2025				X				C		1		X		X																			
SW-10 (3.5')		5/6/2025				X				C		1		X		X																			

Comments:			

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
		5/6/25 @ 16:30				5/6/25/16:30	

Chain of Custody

Work Order No: _____

5/8/2025

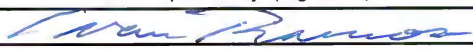
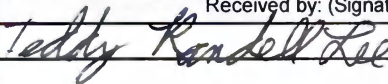
Page 4 of 4

Project Manager:	Conner Moehring	Bill to: (if different)	Grant Huckabay & Addison Guekler
Company Name:	Carmona Resources	Company Name:	Fasken Oil and Ranch
Address:	310 W Wall St Ste 500	Address:	6101 Holiday Hill Road
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79707
Phone:	432-813-6823	Email:	Granth@forl.com & addison@forl.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADaPT ☐ Other:	

Project Name:		Federal 26A Battery		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes								
Project Number:		2680		☐ Routine ☒ Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300.0																None: NO DI Water: H ₂ O							
Project Location		Lea County, New Mexico		Due Date:																				72 HR TAT		Cool: Cool MeOH: Me					
Sampler's Name:		CRM		PO #:																						HCL: HC HNO ₃ : HN					
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No																				H ₂ SO ₄ : H ₂ NaOH: Na			
Received Intact:		Yes No		N/A		Thermometer ID:																						H ₃ PO ₄ : HP			
Cooler Custody Seals:		Yes No		N/A		Correction Factor:																						NaHSO ₄ : NABIS			
Sample Custody Seals:		Yes No		N/A		Temperature Reading:																						Na ₂ S ₂ O ₃ : NaSO ₃			
Total Containers:						Corrected Temperature:																						Zn Acetate+NaOH: Zn			
																												NaOH+Ascorbic Acid: SAPC			
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont																		Sample Comments	
SW-11 (3.5')		5/6/2025				X				C		1		X X X																	
SW-12 (3.5')		5/6/2025				X				C		1		X X X																	
SW-13 (3.5')		5/6/2025				X				C		1		X X X																	
SW-14 (3.5')		5/6/2025				X				C		1		X X X																	
SW-15 (3.5')		5/6/2025				X				C		1		X X X																	
SW-16 (3.5')		5/6/2025				X				C		1		X X X																	
SW-17 (2.5')		5/6/2025				X				C		1		X X X																	

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5/6/25 @ 16:30		5/6/25 16:30

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-57816-1

SDG Number: Lea County NM

Login Number: 57816

List Number: 1

List Source: Eurofins Midland

Creator: Kramer, Jessica

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

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 470380

QUESTIONS

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 470380
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2505934643
Incident Name	NAPP2505934643 FEDERAL 26A BATTERY @ 30-025-29249
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-29249] FEDERAL 26 A #001

Location of Release Source

Please answer all the questions in this group.

Site Name	Federal 26A Battery
Date Release Discovered	02/27/2025
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Water Tank Produced Water Released: 61 BBL Recovered: 15 BBL Lost: 46 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 470380

QUESTIONS (continued)

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 470380
	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.
<i>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.</i>	

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: Addison Long Email: addisonl@forl.com Date: 03/03/2025
--	---

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

General Information
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 3

Action 470380

QUESTIONS (continued)

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 470380
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>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.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (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	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	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	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	42100
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	757
GRO+DRO (EPA SW-846 Method 8015M)	757
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	04/30/2025
On what date will (or did) the final sampling or liner inspection occur	05/06/2025
On what date will (or was) the remediation complete(d)	05/13/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	4187
What is the estimated volume (in cubic yards) that will be remediated	404
<i>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.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 4

Action 470380

QUESTIONS (continued)

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 470380
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	<i>Not answered.</i>
OR is the off-site disposal site, to be used, out-of-state	<i>Not answered.</i>
OR is the off-site disposal site, to be used, an NMED facility	<i>Not answered.</i>
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	<i>Not answered.</i>
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Addison Long Email: addisonl@forl.com Date: 06/03/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 470380

QUESTIONS (continued)

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 470380
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Action 470380

QUESTIONS (continued)

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 470380
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	457923
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/06/2025
What was the (estimated) number of samples that were to be gathered	38
What was the sampling surface area in square feet	3589

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	4187
What was the total volume (cubic yards) remediated	404
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Not any.
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Addison Long Email: addisonl@forl.com Date: 06/03/2025

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Action 470380

QUESTIONS (continued)

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 470380
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 470380

CONDITIONS

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 470380
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	7/16/2025