

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Copperhead 31 Federal A CTB (10.22.25)
Incident ID: nAPP2529637133
Eddy County, New Mexico
Unit A Sec 30 T26S R29E
32.020116°, -104.017993°

Produced Water Release
Point of Release: Equipment Failure on Pump
Release Date: 10/22/2025
Volume Released: 123 Barrels of Produced Water
Volume Recovered: 120 barrels of Produced Water

CARMONA RESOURCES



Prepared for:
COG Operating, LLC
600 W. Illinois Ave.
Midland, TX 79701

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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April 17, 2026

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

Re: Closure Report
Copperhead 31 Federal A CTB (10.22.25)
Incident ID: nAPP2529637133
COG Operating, LLC
Site Location: Unit A, S30, T26S, R29E
(Lat 32.020116°, Long -104.017993°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of COG Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Copperhead 31 Federal A CTB (10.22.25). The site is located at 32.020116°, -104.017993° within Unit A, S30, T26S, R29E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notification of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on October 22, 2025, due to equipment failure on a pump. The incident released approximately one hundred twenty three (123) barrels of produced water with hundred twenty (1200) barrels of produced water recovered. The impacted area occurred on pad, as shown in Figure 3. The Notice of Release form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a 0.50-mile radius of the location. A groundwater determination bore was installed on May 9, 2022, and located approximately 0.40 miles Northwest of the release area in S15, T26S, R29E. The bore was left open for 72 hours and tagged with a water level meter. The bore indicated no signs of water at a depth of 55' below ground surface (bgs). A copy of the associated bore log is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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



4.0 Site Assessment Activities

Initial Assessment

On December 30, 2025, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) test trenches (T-1 through T-3) and five (5) horizontal sample points (H-1 through H-5) were installed to total depths ranging from surface to 5' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

5.0 Remediation Activities

Carmona Resources personnel were on site to mark out the proposed excavation areas and collect confirmation samples. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on February 9, 2026, per Subsection D of 19.15.29.12 NMAC. See Appendix C for the sampling notification. A total of nine (9) confirmation floor samples were collected (CS-1 through CS-9), and eighteen (7) sidewall samples (SW-1 through SW-7) 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 Figure 4.

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

Once the remediation activities were completed, the excavated area was backfilled with clean material to surface grade. The material utilized for backfill was sourced locally. The composite pit sample was 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.

Approximately 135 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

Conner Moehring
Environmental Manager

Stephen Reyes
Environmental Engineer

FIGURES

CARMONA RESOURCES

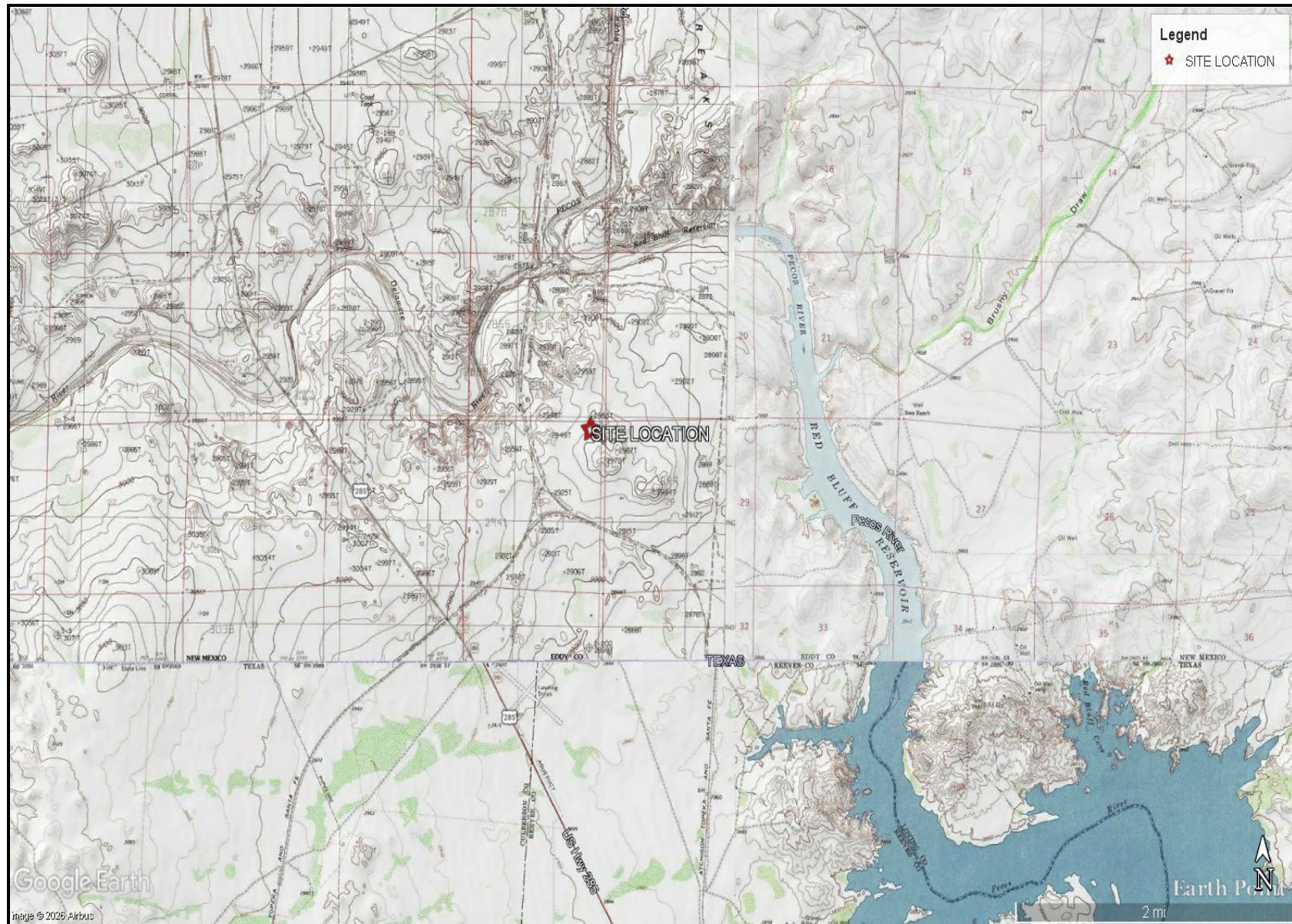




OVERVIEW MAP
COG OPERATING, LLC
COPPERHEAD 31 FEDERAL A CTB (10.22.25)
EDDY COUNTY, NEW MEXICO
32.020116°, -104.017993°



FIGURE 1



TOPOGRAPHIC MAP
 COG OPERATING, LLC
 COPPERHEAD 31 FEDERAL A CTB (10.22.25)
 EDDY COUNTY, NEW MEXICO
 32.020116°, -104.017993°



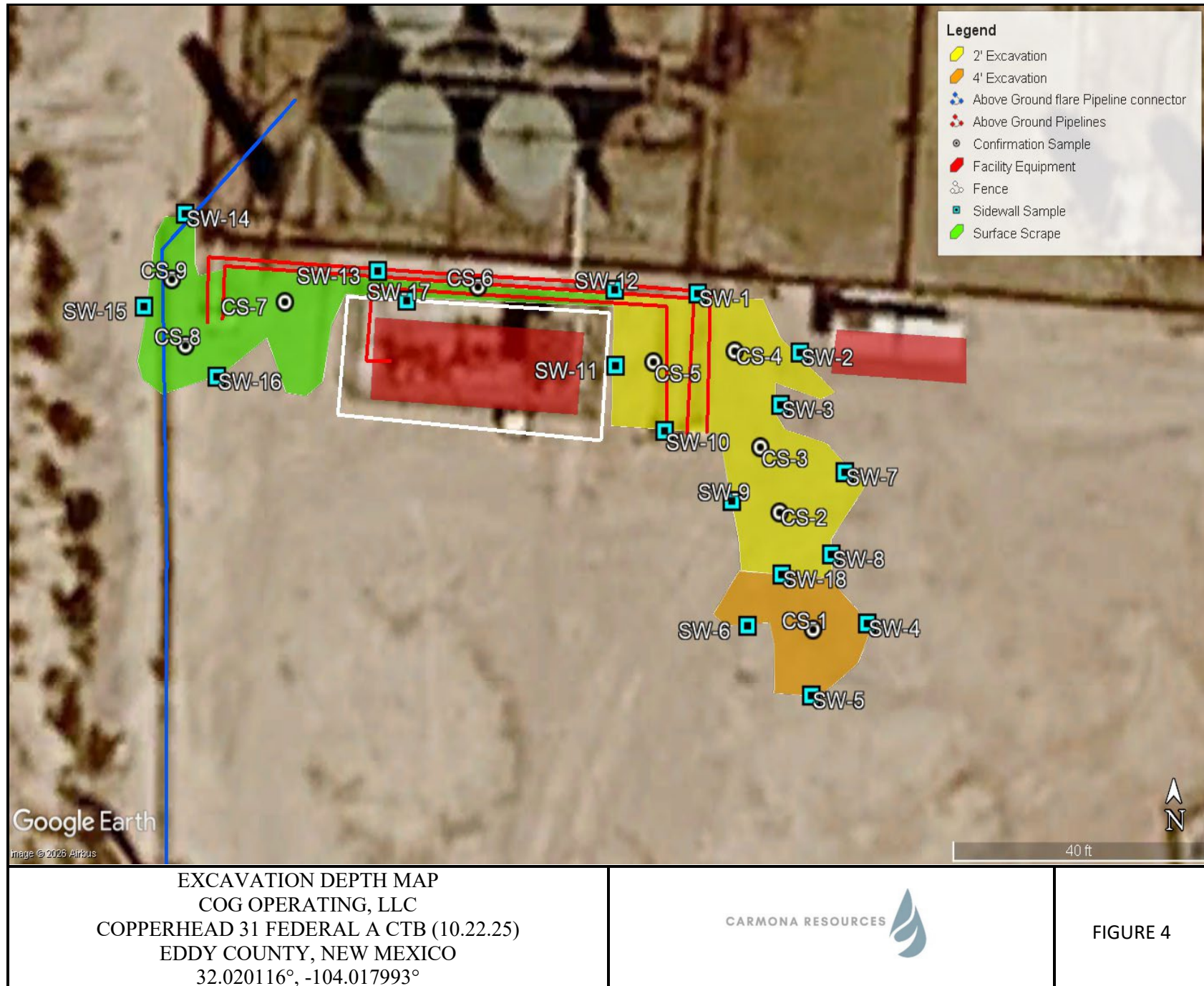
FIGURE 2



SAMPLE LOCATION MAP
COG OPERATING, LLC
COPPERHEAD 31 FEDERAL A CTB (10.22.25)
EDDY COUNTY, NEW MEXICO
32.020116°, -104.017993°



FIGURE 3



APPENDIX A

CARMONA RESOURCES



Table 1
Conoco Phillips
Copperhead 31 Federal A CTB (10.22.25)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
T-1	12/30/2025	0-1	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	112
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	50.8
	"	2	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	36.8
	"	3	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	116
	"	4	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	243
	"	5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	25.4
T-2	12/30/2025	0-1	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	617
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	660
	"	2	<49.9	56.5	<49.9	56.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	381
	"	3	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	57.2
	"	4	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	26.0
T-3	12/30/2025	0-1	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,260
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	680
	"	2	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	678
	"	3	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	408
	"	4	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	121
	"	5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	29.0
H-1	11/14/2025	0-0.5'	<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	58.9
H-2	11/14/2025	0-0.5'	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.1
H-3	11/14/2025	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	20.5
H-4	11/14/2025	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	52.9
H-5	11/14/2025	0-0.5'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	61.7
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

(H) Horizontal Point

 Proposed Excavation

Table 2
ConocoPhillips
Copperhead 31 Federal A CTB (10.22.2025)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	2/11/2026	4'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	23.5
CS-2	2/11/2026	2'	<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.0
CS-3	2/11/2026	2'	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<10.1
CS-4	2/11/2026	2'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.96
CS-5	2/11/2026	2'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	18.1
CS-6	2/11/2026	0.25'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	14.9
CS-7	2/11/2026	0.25'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.1
CS-8	2/11/2026	0.25'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<9.94
CS-9	2/11/2026	0.25'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<9.96
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
ConocoPhillips
Copperhead 31 Federal A CTB (10.22.2025)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	2/11/2026	2'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.98
SW-2	2/11/2026	2'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<9.92
SW-3	2/11/2026	2'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	10.9
SW-4	2/11/2026	4'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.0
SW-5	2/11/2026	4'	<49.5	<49.5	<49.5	<49.5	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<9.94
SW-6	2/11/2026	4'	<50.2	<50.2	<50.2	<50.2	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	13.7
SW-7	2/11/2026	2'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	256
SW-8	2/11/2026	2'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.1
SW-9	2/11/2026	2'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	271
SW-10	2/11/2026	2'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	292
SW-11	2/11/2026	2'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	284
SW-12	2/11/2026	0.25' - 2'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	0.00233	<0.00396	<0.00396	25.2
SW-13	2/11/2026	0.25'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	0.00215	<0.00402	<0.00402	18.3
SW-14	2/11/2026	0.25'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	10.4
SW-15	2/11/2026	0.25'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.1
SW-16	2/11/2026	0.25'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	19.1
SW-17	2/11/2026	0.25'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	17.5
SW-18	2/11/2026	2' - 4'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	0.00290	<0.00399	<0.00399	<10.1
Backfill	2/11/2026	-	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<10.1
Regulatory Criteria^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(SW) - Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

COG Operating, LLC

Photograph No. 1

Facility: Copperhead 31 Federal A CTB
(10.22.25)

County: Eddy County, New Mexico

Description:
View East, area of CS-1

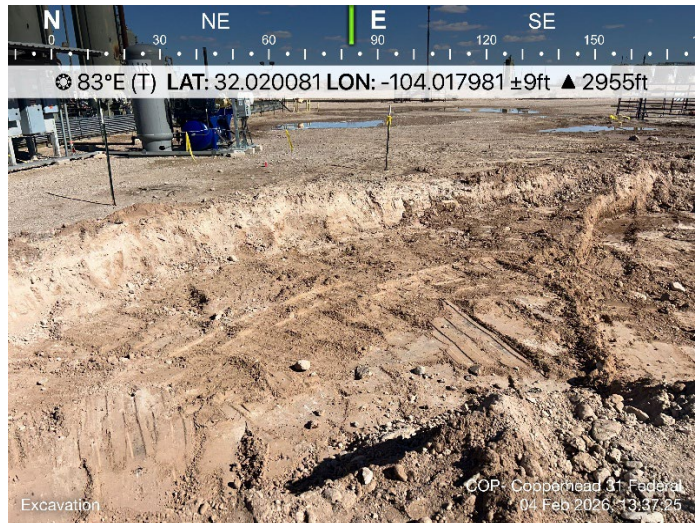


Photograph No. 2

Facility: Copperhead 31 Federal A CTB
(10.22.25)

County: Eddy County, New Mexico

Description:
View East, area of CS-2 and CS-3

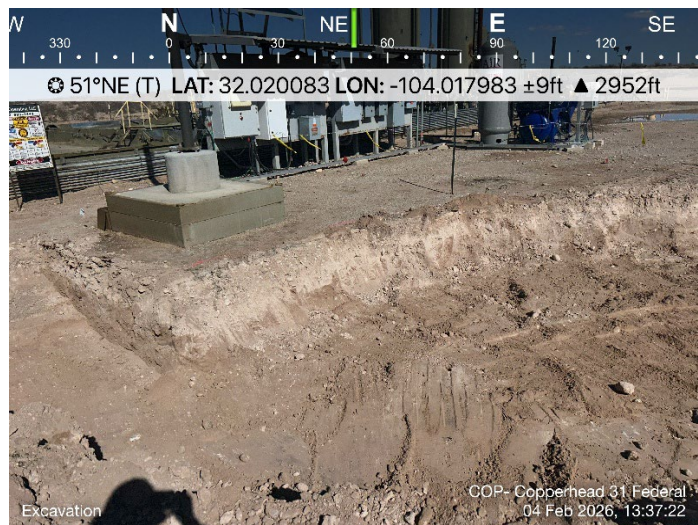


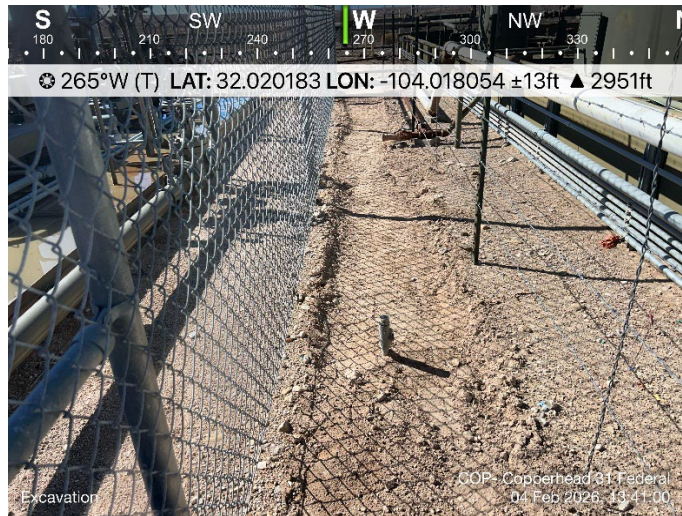
Photograph No. 3

Facility: Copperhead 31 Federal A CTB
(10.22.25)

County: Eddy County, New Mexico

Description:
View Northeast, area of CS-4 and CS-5



PHOTOGRAPHIC LOG**COG Operating, LLC****Photograph No. 4****Facility:** Copperhead 31 Federal A CTB
(10.22.25)**County:** Eddy County, New Mexico**Description:**
View West, area of CS-6**Photograph No. 5****Facility:** Copperhead 31 Federal A CTB
(10.22.25)**County:** Eddy County, New Mexico**Description:**
View Northwest, area of CS-7 through CS-9

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 519350

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 519350
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	Copperhead 31 Federal A CTB
Date Release Discovered	10/22/2025
Surface Owner	State

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: Other Pump Produced Water Released: 123 BBL Recovered: 120 BBL Lost: 3 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 519350

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 519350
	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.

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

General Information
Phone: (505) 629-6116

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

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

ACKNOWLEDGMENTS

Action 519350

ACKNOWLEDGMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 519350
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 519350

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 519350
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jacquih	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	10/23/2025

Spill Calculation - On-Pad Surface Pool Spill						
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Average Depth (in.)	Estimated <u>Pool</u> Area (sq. ft.)	Estimated volume of each pool area (bbl.)	Total Estimated Volume of Spill (bbl.)
Rectangle A	100	50	4.3	5000.00	126.08	126.08
Rectangle B	30	20	0.5	600.00	1.78	1.78
Rectangle C	15	3	0.5	45.00	0.13	0.13
Rectangle D				0.00	0.00	0.00
Rectangle E				0.00	0.00	0.00
Rectangle F				0.00	0.00	0.00
Rectangle G				0.00	0.00	0.00
Rectangle H				0.00	0.00	0.00
Rectangle I				0.00	0.00	0.00
Rectangle J				0.00	0.00	0.00

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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 522401

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 522401
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2529637133
Incident Name	NAPP2529637133 COPPERHEAD 31 FEDERAL A CTB @ A-30-26S-29E
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received

Location of Release Source

Please answer all the questions in this group.

Site Name	Copperhead 31 Federal A CTB
Date Release Discovered	10/22/2025
Surface Owner	State

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Other Pump Produced Water Released: 123 BBL Recovered: 120 BBL Lost: 3 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 522401

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 522401
	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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 11/03/2025
--	---

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1220 S. St Francis Dr.
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QUESTIONS, Page 3

Action 522401

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 522401
	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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Phone: (505) 476-3441

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

CONDITIONS

Action 522401

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 522401
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Initial C141 is approved. The next report submittal will be due for submission to OCD no later than 90-days from the date of discovery, at the latest by 01/20/2026.	11/3/2025

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

QUESTIONS

Action 551815

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 551815
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2529637133
Incident Name	NAPP2529637133 COPPERHEAD 31 FEDERAL A CTB @ A-30-26S-29E
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	COPPERHEAD 31 FEDERAL A CTB
Date Release Discovered	10/22/2025
Surface Owner	Private

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	1,230
What is the estimated number of samples that will be gathered	21
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/11/2026
Time sampling will commence	11:45 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources - 4328136823
Please provide any information necessary for navigation to sampling site	GPS on C141

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Oil Conservation Division
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Santa Fe, NM 87505

CONDITIONS

Action 551815

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 551815
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jacquih	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.	2/9/2026
jacquih	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	2/9/2026

APPENDIX D

CARMONA RESOURCES



Nearest water well

COG Operating

Legend

- 0.30 Miles
- 0.50 Mile Radius
- Copperhead 31 Federal A CTB (10.22.2025)
- Groundwater Determination Bore



Copperhead 31 Federal A CTB (10.22.2025)

55' GWDB - Drilled 04.25.2022



Medium Karst

COG Operating

Legend

- Copperhead 31 Federal A CTB (10.22.2025)
- Medium

Copperhead 31 Federal A CTB (10.22.2025)



CARMONA RESOURCES



Project Name : COG - Copperhead Fee 31E CTB (01.14.22)
 Project No. : 1002
 Location : Eddy County, New Mexico
 Coordinates : 32.002359, -104.031693
 Elevation : 2,930'

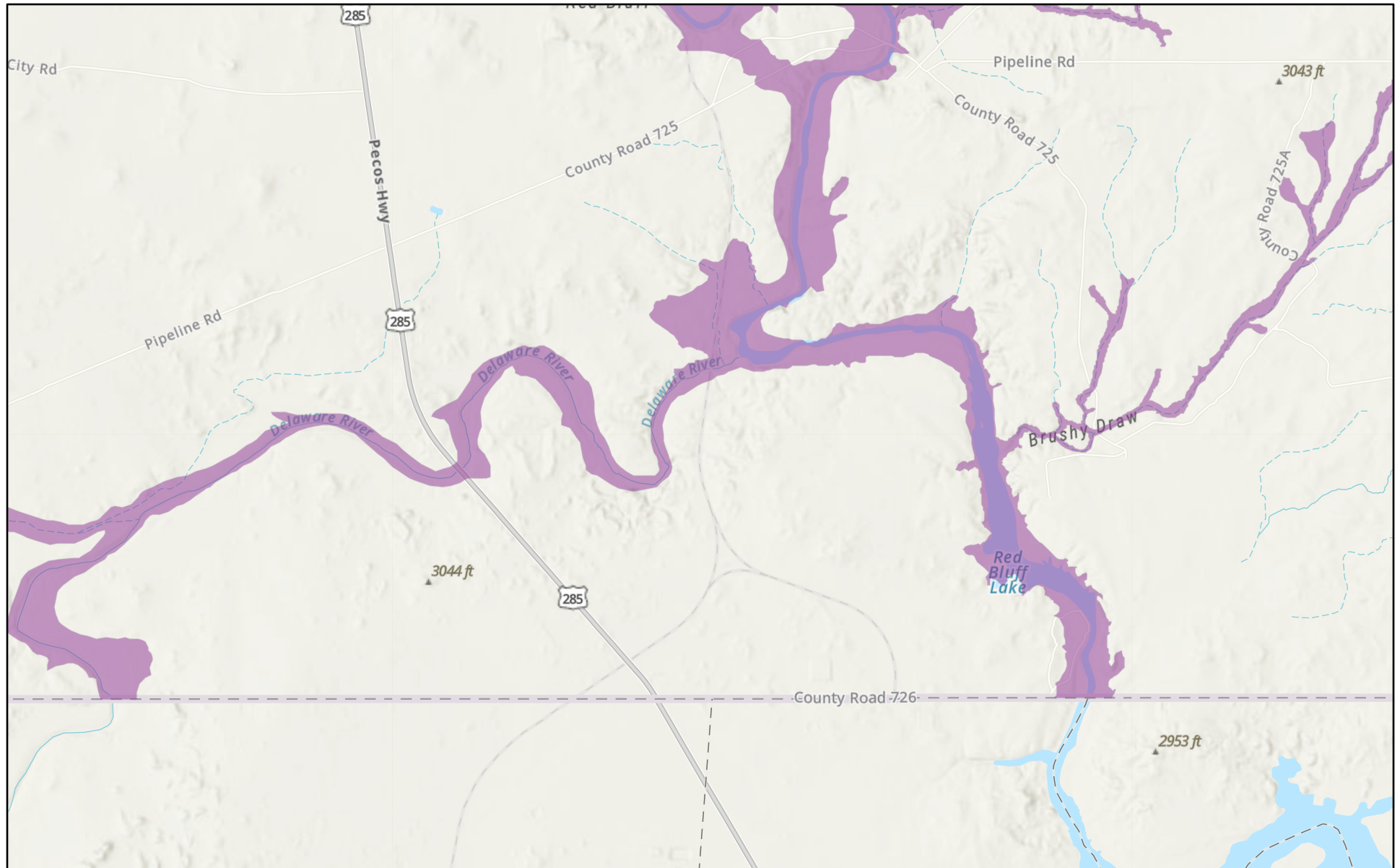
Date : Monday, May 9, 2022
 Sampler : Lane Scarborough
 Driller : Scarborough Drilling
 Method : Air Rotary

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		(0') - Red to Brown sandy clay, with 50% medium well-cemented angular gravel, dry, no organics, no odor (GC)		50		(50') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub-angular sand, dry, no organics (ML)	
5		(5') - Red to Brown sandy clay, with 50% medium well-cemented angular gravel, dry, no organics, no odor (GC)		55		(55') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub-angular sand, dry, no organics (ML)	
10		(10') - Red to Brown sandy clay, with 50% medium well-cemented angular gravel, dry, no organics, no odor (GC)		60			
12		(12') - Red to Brown sandy clay, with 50% well-cemented gypsum fragments, dry, no organics, no odor (SC)		65			
15		(15') - Red to Brown sandy clay, with 50% well-cemented gypsum fragments, dry, no organics, no odor (SC)		70			
20		(20') - Red to Brown sandy clay, with 50% well-cemented gypsum fragments, dry, no organics, no odor (SC)		75			
25		(25') - Red to Brown sandy clay, with 50% well-cemented gypsum fragments, dry, no organics, no odor (SC)		80			
30		(30') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub-angular sand, dry, no organics (ML)		85			
35		(35') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub-angular sand, dry, no organics (ML)		90			
40		(40') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub-angular sand, dry, no organics (ML)		95			
45		(45') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub-angular sand, dry, no organics (ML)		105			
50							

Comments : Boring terminated at 55' at 10:00 AM Central Time with no presence of groundwater or moisture.

Well gauged on 5/13/22 at 11:00 AM Central Time with no detection of groundwater or moisture

Copperhead 31 Federal A CTB (10.22.2025)

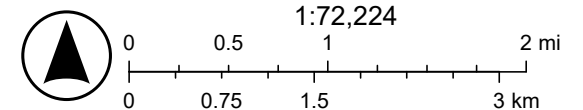


10/24/2025

USA Flood Hazard Areas

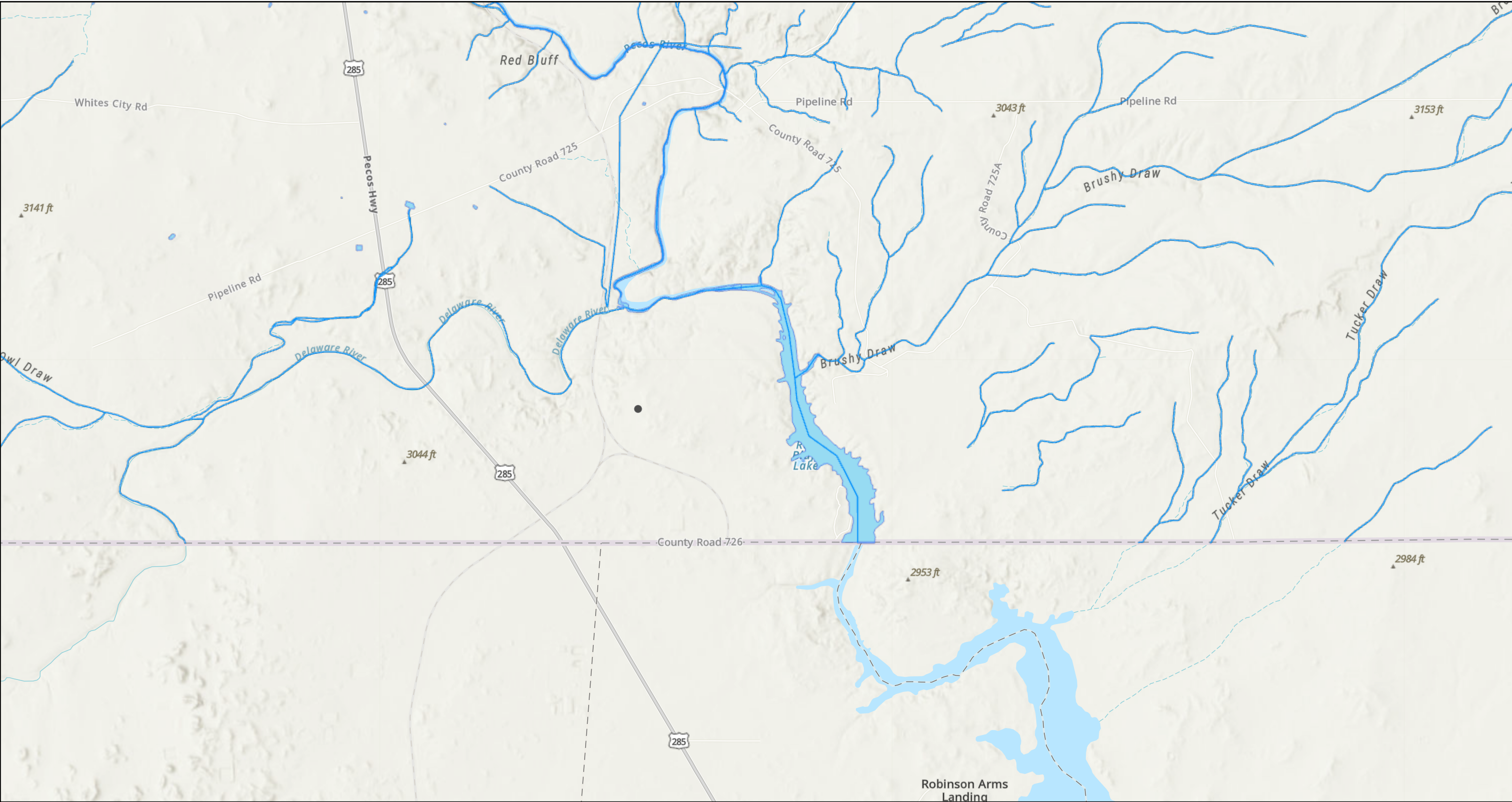
World_Hillshade

 1% Annual Chance Flood Hazard



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

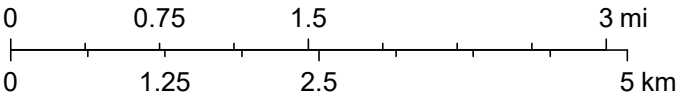
Copperhead 31 Federal A CTB (10.22.2025)



10/24/2025, 8:46:46 AM

- OSW Water Bodys
- OSE Streams

1:72,224



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

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 11/30/2025 9:57:51 AM

JOB DESCRIPTION

Copperhead 31 Federal A CTB (10.22.25)
Eddy County, New Mexico

JOB NUMBER

880-65096-1

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
11/30/2025 9:57:51 AM

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

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Laboratory Job ID: 880-65096-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65096-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65096-1

Job ID: 880-65096-1

Eurofins Midland

Job Narrative 880-65096-1

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

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

Receipt

The samples were received on 11/18/2025 12:05 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 1.2°C.

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-124971 and analytical batch 880-124998 was outside the control limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-124971 and analytical batch 880-124998 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Diesel Range Organics

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-124342 and analytical batch 880-124513 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-124342/2-A) and (LCSD 880-124342/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside the upper control limit: H-2 (0-0.5') (880-65096-2). 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

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: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65096-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-65096-1

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

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		11/24/25 17:02	11/25/25 13:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/24/25 17:02	11/25/25 13:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/24/25 17:02	11/25/25 13:42	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		11/24/25 17:02	11/25/25 13:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/24/25 17:02	11/25/25 13:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/24/25 17:02	11/25/25 13:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	11/24/25 17:02	11/25/25 13:42	1
1,4-Difluorobenzene (Surr)	74		70 - 130	11/24/25 17:02	11/25/25 13:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/25/25 13:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			11/20/25 12:14	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	<50.3	U	50.3		mg/Kg		11/18/25 14:36	11/20/25 12:14	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/18/25 14:36	11/20/25 12:14	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/18/25 14:36	11/20/25 12:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130	11/18/25 14:36	11/20/25 12:14	1
o-Terphenyl (Surr)	121		70 - 130	11/18/25 14:36	11/20/25 12:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.9		10.1		mg/Kg			11/19/25 13:29	1

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

Lab Sample ID: 880-65096-2

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

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		11/24/25 17:02	11/25/25 14:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/24/25 17:02	11/25/25 14:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/24/25 17:02	11/25/25 14:03	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/24/25 17:02	11/25/25 14:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/24/25 17:02	11/25/25 14:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/24/25 17:02	11/25/25 14:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130	11/24/25 17:02	11/25/25 14:03	1
1,4-Difluorobenzene (Surr)	73		70 - 130	11/24/25 17:02	11/25/25 14:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-65096-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-65096-2

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

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			11/25/25 14:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			11/20/25 12:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		11/18/25 14:36	11/20/25 12:35	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		11/18/25 14:36	11/20/25 12:35	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		11/18/25 14:36	11/20/25 12:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	207	S1+	70 - 130				11/18/25 14:36	11/20/25 12:35	1
o-Terphenyl (Surr)	229	S1+	70 - 130				11/18/25 14:36	11/20/25 12:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			11/19/25 13:45	1

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

Lab Sample ID: 880-65096-3

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

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		11/26/25 08:12	11/26/25 16:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/26/25 08:12	11/26/25 16:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/26/25 08:12	11/26/25 16:51	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		11/26/25 08:12	11/26/25 16:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/26/25 08:12	11/26/25 16:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/26/25 08:12	11/26/25 16:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				11/26/25 08:12	11/26/25 16:51	1
1,4-Difluorobenzene (Surr)	103		70 - 130				11/26/25 08:12	11/26/25 16:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/26/25 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	<50.0	U	50.0		mg/Kg			11/20/25 12:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/18/25 14:36	11/20/25 12:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/18/25 14:36	11/20/25 12:54	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65096-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-65096-3

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

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		11/18/25 14:36	11/20/25 12:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130				11/18/25 14:36	11/20/25 12:54	1
o-Terphenyl (Surr)	125		70 - 130				11/18/25 14:36	11/20/25 12:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.5		10.1		mg/Kg			11/19/25 13:50	1

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

Lab Sample ID: 880-65096-4

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

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		11/26/25 08:12	11/26/25 17:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/26/25 08:12	11/26/25 17:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/26/25 08:12	11/26/25 17:11	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		11/26/25 08:12	11/26/25 17:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/26/25 08:12	11/26/25 17:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/26/25 08:12	11/26/25 17:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				11/26/25 08:12	11/26/25 17:11	1
1,4-Difluorobenzene (Surr)	99		70 - 130				11/26/25 08:12	11/26/25 17:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/26/25 17:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/20/25 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/18/25 14:36	11/20/25 13:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/18/25 14:36	11/20/25 13:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/18/25 14:36	11/20/25 13:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130				11/18/25 14:36	11/20/25 13:13	1
o-Terphenyl (Surr)	120		70 - 130				11/18/25 14:36	11/20/25 13:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.9		9.92		mg/Kg			11/19/25 13:55	1

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Client Sample Results

Client: Carmona Resources

Job ID: 880-65096-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-65096-5

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

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		11/26/25 08:12	11/26/25 17:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/26/25 08:12	11/26/25 17:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/26/25 08:12	11/26/25 17:32	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/26/25 08:12	11/26/25 17:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/26/25 08:12	11/26/25 17:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/26/25 08:12	11/26/25 17:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	11/26/25 08:12	11/26/25 17:32	1
1,4-Difluorobenzene (Surr)	103		70 - 130	11/26/25 08:12	11/26/25 17:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/26/25 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	<50.1	U	50.1		mg/Kg			11/20/25 13:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		11/18/25 14:36	11/20/25 13:33	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		11/18/25 14:36	11/20/25 13:33	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		11/18/25 14:36	11/20/25 13:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130	11/18/25 14:36	11/20/25 13:33	1
o-Terphenyl (Surr)	123		70 - 130	11/18/25 14:36	11/20/25 13:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.7		9.98		mg/Kg			11/19/25 14:00	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65096-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-65096-1	H-1 (0-0.5')	79	74				
880-65096-2	H-2 (0-0.5')	75	73				
880-65096-3	H-3 (0-0.5')	125	103				
880-65096-4	H-4 (0-0.5')	123	99				
880-65096-5	H-5 (0-0.5')	122	103				
880-65436-A-91-F MS	Matrix Spike	117	100				
880-65436-A-91-G MSD	Matrix Spike Duplicate	102	83				
890-9126-A-1-E MS	Matrix Spike	74	89				
890-9126-A-1-F MSD	Matrix Spike Duplicate	89	91				
LCS 880-124971/1-A	Lab Control Sample	103	102				
LCS 880-124996/1-A	Lab Control Sample	119	97				
LCSD 880-124971/2-A	Lab Control Sample Dup	105	104				
LCSD 880-124996/2-A	Lab Control Sample Dup	118	99				
MB 880-124971/5-A	Method Blank	73	67 S1-				
MB 880-124996/5-A	Method Blank	120	97				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
820-22051-A-21-C MS	Matrix Spike	109	114				
820-22051-A-21-D MSD	Matrix Spike Duplicate	104	111				
880-65096-1	H-1 (0-0.5')	92	121				
880-65096-2	H-2 (0-0.5')	207 S1+	229 S1+				
880-65096-3	H-3 (0-0.5')	103	125				
880-65096-4	H-4 (0-0.5')	99	120				
880-65096-5	H-5 (0-0.5')	110	123				
LCS 880-124342/2-A	Lab Control Sample	129	136 S1+				
LCSD 880-124342/3-A	Lab Control Sample Dup	138 S1+	139 S1+				
MB 880-124342/1-A	Method Blank	112	116				
Surrogate Legend							
1CO = 1-Chlorooctane (Surr)							
OTPH = o-Terphenyl (Surr)							

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65096-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-124971/5-A

Matrix: Solid

Analysis Batch: 124998

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124971

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/24/25 17:02	11/25/25 10:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/24/25 17:02	11/25/25 10:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/24/25 17:02	11/25/25 10:37	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		11/24/25 17:02	11/25/25 10:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/24/25 17:02	11/25/25 10:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/24/25 17:02	11/25/25 10:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	11/24/25 17:02	11/25/25 10:37	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130	11/24/25 17:02	11/25/25 10:37	1

Lab Sample ID: LCS 880-124971/1-A

Matrix: Solid

Analysis Batch: 124998

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124971

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09603		mg/Kg		96	70 - 130
Toluene	0.100	0.08817		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09815		mg/Kg		98	70 - 130
m,p-Xylenes	0.200	0.1787		mg/Kg		89	70 - 130
o-Xylene	0.100	0.09566		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-124971/2-A

Matrix: Solid

Analysis Batch: 124998

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124971

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09839		mg/Kg		98	70 - 130	2	35
Toluene	0.100	0.09478		mg/Kg		95	70 - 130	7	35
Ethylbenzene	0.100	0.1087		mg/Kg		109	70 - 130	10	35
m,p-Xylenes	0.200	0.1996		mg/Kg		100	70 - 130	11	35
o-Xylene	0.100	0.1069		mg/Kg		107	70 - 130	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-9126-A-1-E MS

Matrix: Solid

Analysis Batch: 124998

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 124971

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.100	0.03595	F1	mg/Kg		36	70 - 130
Toluene	<0.00200	U F1	0.100	0.05808	F1	mg/Kg		58	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65096-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-9126-A-1-E MS

Matrix: Solid

Analysis Batch: 124998

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 124971

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F1	0.100	0.06597	F1	mg/Kg		66	70 - 130
m,p-Xylenes	<0.00399	U F1	0.200	0.1133	F1	mg/Kg		57	70 - 130
o-Xylene	<0.00200	U	0.100	0.08157		mg/Kg		82	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	74		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 890-9126-A-1-F MSD

Matrix: Solid

Analysis Batch: 124998

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 124971

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	0.03462	F1	mg/Kg		35	70 - 130	4	35
Toluene	<0.00200	U F1	0.100	0.06219	F1	mg/Kg		62	70 - 130	7	35
Ethylbenzene	<0.00200	U F1	0.100	0.07264		mg/Kg		73	70 - 130	10	35
m,p-Xylenes	<0.00399	U F1	0.200	0.1261	F1	mg/Kg		63	70 - 130	11	35
o-Xylene	<0.00200	U	0.100	0.09178		mg/Kg		92	70 - 130	12	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: MB 880-124996/5-A

Matrix: Solid

Analysis Batch: 125123

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124996

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/25/25 08:12	11/26/25 11:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/25/25 08:12	11/26/25 11:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/25/25 08:12	11/26/25 11:07	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		11/25/25 08:12	11/26/25 11:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/25/25 08:12	11/26/25 11:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/25/25 08:12	11/26/25 11:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	11/25/25 08:12	11/26/25 11:07	1
1,4-Difluorobenzene (Surr)	97		70 - 130	11/25/25 08:12	11/26/25 11:07	1

Lab Sample ID: LCS 880-124996/1-A

Matrix: Solid

Analysis Batch: 125123

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124996

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09220		mg/Kg		92	70 - 130
Toluene	0.100	0.09194		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09766		mg/Kg		98	70 - 130
m,p-Xylenes	0.200	0.1945		mg/Kg		97	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65096-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-124996/1-A

Matrix: Solid

Analysis Batch: 125123

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124996

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1026		mg/Kg		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-124996/2-A

Matrix: Solid

Analysis Batch: 125123

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124996

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09057		mg/Kg		91	70 - 130	2	35
Toluene	0.100	0.09364		mg/Kg		94	70 - 130	2	35
Ethylbenzene	0.100	0.09804		mg/Kg		98	70 - 130	0	35
m,p-Xylenes	0.200	0.1994		mg/Kg		100	70 - 130	2	35
o-Xylene	0.100	0.1042		mg/Kg		104	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-65436-A-91-F MS

Matrix: Solid

Analysis Batch: 125123

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 124996

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.09734		mg/Kg		97	70 - 130
Toluene	<0.00201	U	0.100	0.09936		mg/Kg		99	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.1094		mg/Kg		109	70 - 130
m,p-Xylenes	<0.00402	U	0.200	0.2197		mg/Kg		110	70 - 130
o-Xylene	<0.00201	U	0.100	0.1131		mg/Kg		113	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-65436-A-91-G MSD

Matrix: Solid

Analysis Batch: 125123

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 124996

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U	0.100	0.08174		mg/Kg		82	70 - 130	17	35
Toluene	<0.00201	U	0.100	0.08398		mg/Kg		84	70 - 130	17	35
Ethylbenzene	<0.00201	U	0.100	0.09373		mg/Kg		94	70 - 130	15	35
m,p-Xylenes	<0.00402	U	0.200	0.1886		mg/Kg		94	70 - 130	15	35
o-Xylene	<0.00201	U	0.100	0.09803		mg/Kg		98	70 - 130	14	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65096-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-65436-A-91-G MSD

Matrix: Solid

Analysis Batch: 125123

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 124996

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

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

Lab Sample ID: MB 880-124342/1-A

Matrix: Solid

Analysis Batch: 124513

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124342

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/18/25 14:36	11/20/25 08:24	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/18/25 14:36	11/20/25 08:24	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/18/25 14:36	11/20/25 08:24	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane (Surr)	112		70 - 130				11/18/25 14:36	11/20/25 08:24	1	
o-Terphenyl (Surr)	116		70 - 130				11/18/25 14:36	11/20/25 08:24	1	

Lab Sample ID: LCS 880-124342/2-A

Matrix: Solid

Analysis Batch: 124513

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124342

Analyte	Spike	LCS	LCS							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	826.3		mg/Kg		83		70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1013		mg/Kg		101		70 - 130		
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane (Surr)	129		70 - 130							
o-Terphenyl (Surr)	136	S1+	70 - 130							

Lab Sample ID: LCSD 880-124342/3-A

Matrix: Solid

Analysis Batch: 124513

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124342

Analyte	Spike	LCSD	LCSD							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	887.8		mg/Kg		89		70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	1034		mg/Kg		103		70 - 130	2	20
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane (Surr)	138	S1+	70 - 130							
o-Terphenyl (Surr)	139	S1+	70 - 130							

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65096-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 820-22051-A-21-C MS

Matrix: Solid

Analysis Batch: 124513

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 124342

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	996	831.6		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U F1	996	710.1	F1	mg/Kg		69	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane (Surr)	109		70 - 130						
o-Terphenyl (Surr)	114		70 - 130						

Lab Sample ID: 820-22051-A-21-D MSD

Matrix: Solid

Analysis Batch: 124513

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 124342

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	996	792.5		mg/Kg		80	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<49.8	U F1	996	711.5	F1	mg/Kg		69	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	104		70 - 130								
o-Terphenyl (Surr)	111		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-124357/1-A

Matrix: Solid

Analysis Batch: 124403

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			11/19/25 13:13	1

Lab Sample ID: LCS 880-124357/2-A

Matrix: Solid

Analysis Batch: 124403

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.8		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-124357/3-A

Matrix: Solid

Analysis Batch: 124403

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	242.5		mg/Kg		97	90 - 110	1	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65096-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-65096-1 MS											Client Sample ID: H-1 (0-0.5')	
Matrix: Solid											Prep Type: Soluble	
Analysis Batch: 124403												
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	58.9		253	312.6		mg/Kg		100	90 - 110			

Lab Sample ID: 880-65096-1 MSD											Client Sample ID: H-1 (0-0.5')	
Matrix: Solid											Prep Type: Soluble	
Analysis Batch: 124403												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	58.9		253	314.5		mg/Kg		101	90 - 110	1	20	

QC Association Summary

Client: Carmona Resources

Job ID: 880-65096-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 124971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65096-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-65096-2	H-2 (0-0.5')	Total/NA	Solid	5035	
MB 880-124971/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-124971/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-124971/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9126-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-9126-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 124996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65096-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-65096-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-65096-5	H-5 (0-0.5')	Total/NA	Solid	5035	
MB 880-124996/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-124996/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-124996/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-65436-A-91-F MS	Matrix Spike	Total/NA	Solid	5035	
880-65436-A-91-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 124998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65096-1	H-1 (0-0.5')	Total/NA	Solid	8021B	124971
880-65096-2	H-2 (0-0.5')	Total/NA	Solid	8021B	124971
MB 880-124971/5-A	Method Blank	Total/NA	Solid	8021B	124971
LCS 880-124971/1-A	Lab Control Sample	Total/NA	Solid	8021B	124971
LCSD 880-124971/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	124971
890-9126-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	124971
890-9126-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	124971

Analysis Batch: 125123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65096-3	H-3 (0-0.5')	Total/NA	Solid	8021B	124996
880-65096-4	H-4 (0-0.5')	Total/NA	Solid	8021B	124996
880-65096-5	H-5 (0-0.5')	Total/NA	Solid	8021B	124996
MB 880-124996/5-A	Method Blank	Total/NA	Solid	8021B	124996
LCS 880-124996/1-A	Lab Control Sample	Total/NA	Solid	8021B	124996
LCSD 880-124996/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	124996
880-65436-A-91-F MS	Matrix Spike	Total/NA	Solid	8021B	124996
880-65436-A-91-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	124996

Analysis Batch: 125184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65096-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-65096-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-65096-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-65096-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-65096-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources

Job ID: 880-65096-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County, New Mexico

GC Semi VOA

Prep Batch: 124342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65096-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-65096-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-65096-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-65096-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-65096-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-124342/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-124342/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-124342/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
820-22051-A-21-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
820-22051-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 124513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65096-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	124342
880-65096-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	124342
880-65096-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	124342
880-65096-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	124342
880-65096-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	124342
MB 880-124342/1-A	Method Blank	Total/NA	Solid	8015B NM	124342
LCS 880-124342/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	124342
LCSD 880-124342/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	124342
820-22051-A-21-C MS	Matrix Spike	Total/NA	Solid	8015B NM	124342
820-22051-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	124342

Analysis Batch: 124743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65096-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-65096-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-65096-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-65096-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-65096-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 124357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65096-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-65096-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-65096-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-65096-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-65096-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-124357/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-124357/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-124357/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-65096-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-65096-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 124403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65096-1	H-1 (0-0.5')	Soluble	Solid	300.0	124357
880-65096-2	H-2 (0-0.5')	Soluble	Solid	300.0	124357

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QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65096-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 124403 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65096-3	H-3 (0-0.5')	Soluble	Solid	300.0	124357
880-65096-4	H-4 (0-0.5')	Soluble	Solid	300.0	124357
880-65096-5	H-5 (0-0.5')	Soluble	Solid	300.0	124357
MB 880-124357/1-A	Method Blank	Soluble	Solid	300.0	124357
LCS 880-124357/2-A	Lab Control Sample	Soluble	Solid	300.0	124357
LCSD 880-124357/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	124357
880-65096-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	124357
880-65096-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	124357

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65096-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-65096-1

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

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	124971	11/24/25 17:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124998	11/25/25 13:42	AA	EET MID
Total/NA	Analysis	Total BTEX		1			125184	11/25/25 13:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			124743	11/20/25 12:14	SA	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10.00 mL	124342	11/18/25 14:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124513	11/20/25 12:14	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	124357	11/18/25 16:20	SA	EET MID
Soluble	Analysis	300.0		1			124403	11/19/25 13:29	CS	EET MID

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

Lab Sample ID: 880-65096-2

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

Prep 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	124971	11/24/25 17:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124998	11/25/25 14:03	AA	EET MID
Total/NA	Analysis	Total BTEX		1			125184	11/25/25 14:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			124743	11/20/25 12:35	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10.00 mL	124342	11/18/25 14:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124513	11/20/25 12:35	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	124357	11/18/25 16:20	SA	EET MID
Soluble	Analysis	300.0		1			124403	11/19/25 13:45	CS	EET MID

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

Lab Sample ID: 880-65096-3

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

Prep 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	124996	11/26/25 08:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125123	11/26/25 16:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125184	11/26/25 16:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			124743	11/20/25 12:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	124342	11/18/25 14:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124513	11/20/25 12:54	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	124357	11/18/25 16:20	SA	EET MID
Soluble	Analysis	300.0		1			124403	11/19/25 13:50	CS	EET MID

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

Lab Sample ID: 880-65096-4

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

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	124996	11/26/25 08:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125123	11/26/25 17:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125184	11/26/25 17:11	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65096-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-65096-4

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

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			124743	11/20/25 13:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	124342	11/18/25 14:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124513	11/20/25 13:13	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	124357	11/18/25 16:20	SA	EET MID
Soluble	Analysis	300.0		1			124403	11/19/25 13:55	CS	EET MID

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

Lab Sample ID: 880-65096-5

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

Prep 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	124996	11/26/25 08:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125123	11/26/25 17:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125184	11/26/25 17:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			124743	11/20/25 13:33	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	124342	11/18/25 14:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124513	11/20/25 13:33	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	124357	11/18/25 16:20	SA	EET MID
Soluble	Analysis	300.0		1			124403	11/19/25 14:00	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65096-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65096-1
SDG: Eddy County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65096-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-65096-1	H-1 (0-0.5')	Solid	11/14/25 00:00	11/18/25 12:05	New Mexico
880-65096-2	H-2 (0-0.5')	Solid	11/14/25 00:00	11/18/25 12:05	New Mexico
880-65096-3	H-3 (0-0.5')	Solid	11/14/25 00:00	11/18/25 12:05	New Mexico
880-65096-4	H-4 (0-0.5')	Solid	11/14/25 00:00	11/18/25 12:05	New Mexico
880-65096-5	H-5 (0-0.5')	Solid	11/14/25 00:00	11/18/25 12:05	New Mexico

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8880-65096 Chain of Custody

Chain of Custody

Page 1 of 1

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ AdAPT ☐ Other: _____	

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	carmona@carmonaresources.com

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>	11/25/25 12:05	<i>[Signature]</i>	11/25 12:05

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-65096-1
SDG Number: Eddy County, New Mexico

Login Number: 65096

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 11/25/2025 12:38:17 PM

JOB DESCRIPTION

Copperhead 31 Federal A CTB (10.22.25)
Eddy County, New Mexico

JOB NUMBER

880-65098-1

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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11/25/2025 12:38:17 PM

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

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Laboratory Job ID: 880-65098-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65098-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65098-1

Job ID: 880-65098-1**Eurofins Midland**

Job Narrative
880-65098-1

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

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

Receipt

The samples were received on 11/18/2025 12:05 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 1.2°C.

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-124497 and analytical batch 880-124702 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-2 (0-3") (880-65098-4), S-3 (0-3") (880-65098-6) and S-3 (0.5') (880-65098-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Spike compounds were inadvertently omitted during the extraction process for the matrix spike duplicate (MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-124414 and analytical batch 880-124849. The associated laboratory control sample (LCS) met acceptance criteria.

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

Diesel Range Organics

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-124342 and analytical batch 880-124513 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-124513 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is:(CCV 880-124513/31).

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-124342/2-A) and (LCSD 880-124342/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside the upper control limit: S-1 (0-1') (880-65098-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-2 (0.5') (880-65098-5) and S-3 (0-3") (880-65098-6). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-3 (0-3") (880-65098-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-124716/2-A). Evidence

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Case Narrative

Client: Carmona Resources
Project: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65098-1

Job ID: 880-65098-1 (Continued)

Eurofins Midland

of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCSD 880-124716/3-A), (880-65319-A-89-D), (880-65319-A-89-E MS) and (880-65319-A-89-F MSD). 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.

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-124357 and analytical batch 880-124403 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: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65098-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-65098-1

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

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		11/20/25 09:24	11/22/25 20:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/25 09:24	11/22/25 20:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/25 09:24	11/22/25 20:43	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		11/20/25 09:24	11/22/25 20:43	1
o-Xylene	0.00204		0.00202		mg/Kg		11/20/25 09:24	11/22/25 20:43	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/20/25 09:24	11/22/25 20:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	11/20/25 09:24	11/22/25 20:43	1
1,4-Difluorobenzene (Surr)	96		70 - 130	11/20/25 09:24	11/22/25 20:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/22/25 20:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/20/25 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/18/25 14:36	11/20/25 13:52	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/18/25 14:36	11/20/25 13:52	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/18/25 14:36	11/20/25 13:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130	11/18/25 14:36	11/20/25 13:52	1
o-Terphenyl (Surr)	131	S1+	70 - 130	11/18/25 14:36	11/20/25 13:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3120		99.4		mg/Kg			11/20/25 10:13	10

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-65098-2

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

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		11/19/25 12:30	11/25/25 06:32	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/19/25 12:30	11/25/25 06:32	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/19/25 12:30	11/25/25 06:32	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		11/19/25 12:30	11/25/25 06:32	1
o-Xylene	0.00755		0.00198		mg/Kg		11/19/25 12:30	11/25/25 06:32	1
Xylenes, Total	0.00755		0.00396		mg/Kg		11/19/25 12:30	11/25/25 06:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	11/19/25 12:30	11/25/25 06:32	1
1,4-Difluorobenzene (Surr)	94		70 - 130	11/19/25 12:30	11/25/25 06:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65098-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-65098-2

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00755		0.00396		mg/Kg			11/25/25 06:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/20/25 14:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/18/25 14:36	11/20/25 14:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/18/25 14:36	11/20/25 14:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/18/25 14:36	11/20/25 14:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130				11/18/25 14:36	11/20/25 14:11	1
o-Terphenyl (Surr)	124		70 - 130				11/18/25 14:36	11/20/25 14:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	468		49.6		mg/Kg			11/19/25 14:21	5

Client Sample ID: S-1 (2')

Lab Sample ID: 880-65098-3

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

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		11/19/25 12:30	11/25/25 06:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/19/25 12:30	11/25/25 06:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/19/25 12:30	11/25/25 06:52	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		11/19/25 12:30	11/25/25 06:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/19/25 12:30	11/25/25 06:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/19/25 12:30	11/25/25 06:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				11/19/25 12:30	11/25/25 06:52	1
1,4-Difluorobenzene (Surr)	93		70 - 130				11/19/25 12:30	11/25/25 06:52	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			11/25/25 06:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/20/25 15:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/18/25 14:36	11/20/25 15:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/18/25 14:36	11/20/25 15:58	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-65098-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County, New Mexico

Client Sample ID: S-1 (2')

Lab Sample ID: 880-65098-3

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

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		11/18/25 14:36	11/20/25 15:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130				11/18/25 14:36	11/20/25 15:58	1
o-Terphenyl (Surr)	128		70 - 130				11/18/25 14:36	11/20/25 15:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	590		49.8		mg/Kg			11/19/25 14:27	5

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-65098-4

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

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		11/19/25 12:30	11/25/25 07:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/19/25 12:30	11/25/25 07:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/19/25 12:30	11/25/25 07:13	1
m,p-Xylenes	0.0258		0.00402		mg/Kg		11/19/25 12:30	11/25/25 07:13	1
o-Xylene	0.00842		0.00201		mg/Kg		11/19/25 12:30	11/25/25 07:13	1
Xylenes, Total	0.0342		0.00402		mg/Kg		11/19/25 12:30	11/25/25 07:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130				11/19/25 12:30	11/25/25 07:13	1
1,4-Difluorobenzene (Surr)	94		70 - 130				11/19/25 12:30	11/25/25 07:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0342		0.00402		mg/Kg			11/25/25 07:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1070		50.0		mg/Kg			11/20/25 16:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	72.3		50.0		mg/Kg		11/18/25 14:36	11/20/25 16:36	1
Diesel Range Organics (Over C10-C28)	906		50.0		mg/Kg		11/18/25 14:36	11/20/25 16:36	1
Oil Range Organics (Over C28-C36)	94.0		50.0		mg/Kg		11/18/25 14:36	11/20/25 16:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130				11/18/25 14:36	11/20/25 16:36	1
o-Terphenyl (Surr)	130		70 - 130				11/18/25 14:36	11/20/25 16:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4280		200		mg/Kg			11/19/25 14:32	20

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65098-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (0.5')

Lab Sample ID: 880-65098-5

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

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		11/19/25 12:30	11/25/25 07:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/19/25 12:30	11/25/25 07:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/19/25 12:30	11/25/25 07:33	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/19/25 12:30	11/25/25 07:33	1
o-Xylene	0.00785		0.00199		mg/Kg		11/19/25 12:30	11/25/25 07:33	1
Xylenes, Total	0.00785		0.00398		mg/Kg		11/19/25 12:30	11/25/25 07:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	11/19/25 12:30	11/25/25 07:33	1
1,4-Difluorobenzene (Surr)	90		70 - 130	11/19/25 12:30	11/25/25 07:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00785		0.00398		mg/Kg			11/25/25 07:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	5530		50.1		mg/Kg			11/20/25 16:55	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	<50.1	U	50.1		mg/Kg		11/18/25 14:36	11/20/25 16:55	1
Diesel Range Organics (Over C10-C28)	5070		50.1		mg/Kg		11/18/25 14:36	11/20/25 16:55	1
Oil Range Organics (Over C28-C36)	459		50.1		mg/Kg		11/18/25 14:36	11/20/25 16:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	238	S1+	70 - 130	11/18/25 14:36	11/20/25 16:55	1
o-Terphenyl (Surr)	247	S1+	70 - 130	11/18/25 14:36	11/20/25 16:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11400		199		mg/Kg			11/19/25 14:37	20

Client Sample ID: S-3 (0-3")

Lab Sample ID: 880-65098-6

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

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		11/19/25 12:30	11/25/25 07:54	1
Toluene	0.00769		0.00199		mg/Kg		11/19/25 12:30	11/25/25 07:54	1
Ethylbenzene	0.00254		0.00199		mg/Kg		11/19/25 12:30	11/25/25 07:54	1
m,p-Xylenes	0.166		0.00398		mg/Kg		11/19/25 12:30	11/25/25 07:54	1
o-Xylene	0.0440		0.00199		mg/Kg		11/19/25 12:30	11/25/25 07:54	1
Xylenes, Total	0.210		0.00398		mg/Kg		11/19/25 12:30	11/25/25 07:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	196	S1+	70 - 130	11/19/25 12:30	11/25/25 07:54	1
1,4-Difluorobenzene (Surr)	97		70 - 130	11/19/25 12:30	11/25/25 07:54	1

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Client Sample Results

Client: Carmona Resources

Job ID: 880-65098-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County, New Mexico

Client Sample ID: S-3 (0-3")

Lab Sample ID: 880-65098-6

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.220		0.00398		mg/Kg			11/25/25 07:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	24700		250		mg/Kg			11/24/25 16:26	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	423		50.3		mg/Kg		11/18/25 14:36	11/20/25 17:14	1
Diesel Range Organics (Over C10-C28)	23300		250		mg/Kg		11/21/25 13:18	11/24/25 16:26	5
Oil Range Organics (Over C28-C36)	945		50.3		mg/Kg		11/18/25 14:36	11/20/25 17:14	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	130		70 - 130				11/18/25 14:36	11/20/25 17:14	1
o-Terphenyl (Surr)	146	S1+	70 - 130				11/18/25 14:36	11/20/25 17:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12800	F1	198		mg/Kg			11/19/25 14:42	20

Client Sample ID: S-3 (0.5')

Lab Sample ID: 880-65098-7

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

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		11/19/25 12:30	11/25/25 08:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/19/25 12:30	11/25/25 08:14	1
Ethylbenzene	0.0155		0.00200		mg/Kg		11/19/25 12:30	11/25/25 08:14	1
m,p-Xylenes	0.0163		0.00399		mg/Kg		11/19/25 12:30	11/25/25 08:14	1
o-Xylene	0.120		0.00200		mg/Kg		11/19/25 12:30	11/25/25 08:14	1
Xylenes, Total	0.136		0.00399		mg/Kg		11/19/25 12:30	11/25/25 08:14	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	158	S1+	70 - 130				11/19/25 12:30	11/25/25 08:14	1
1,4-Difluorobenzene (Surr)	89		70 - 130				11/19/25 12:30	11/25/25 08:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.152		0.00399		mg/Kg			11/25/25 08:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	767		50.0		mg/Kg			11/20/25 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/18/25 14:36	11/20/25 17:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65098-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (0.5')
Date Collected: 11/14/25 00:00
Date Received: 11/18/25 12:05

Lab Sample ID: 880-65098-7
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	637		50.0		mg/Kg		11/18/25 14:36	11/20/25 17:33	1
Oil Range Organics (Over C28-C36)	130		50.0		mg/Kg		11/18/25 14:36	11/20/25 17:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130				11/18/25 14:36	11/20/25 17:33	1
o-Terphenyl (Surr)	120		70 - 130				11/18/25 14:36	11/20/25 17:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1300		49.6		mg/Kg			11/19/25 14:58	5

Surrogate Summary

Client: Carmona Resources

Job ID: 880-65098-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
820-22040-A-1-E MS	Matrix Spike	116	97
820-22040-A-1-F MSD	Matrix Spike Duplicate	112	96
880-65098-1	S-1 (0-1')	96	96
880-65098-2	S-1 (1.5')	117	94
880-65098-3	S-1 (2')	113	93
880-65098-4	S-2 (0-3")	147 S1+	94
880-65098-5	S-2 (0.5')	114	90
880-65098-6	S-3 (0-3")	196 S1+	97
880-65098-7	S-3 (0.5')	158 S1+	89
880-65232-A-1-A MS	Matrix Spike	107	100
880-65232-A-1-B MSD	Matrix Spike Duplicate	101	101
890-9129-A-1-G MS	Matrix Spike	109	105
890-9129-A-1-H MSD	Matrix Spike Duplicate	101	102
LCS 880-124414/1-A	Lab Control Sample	110	93
LCS 880-124497/1-A	Lab Control Sample	105	101
LCS 880-124966/1-A	Lab Control Sample	98	101
LCSD 880-124414/2-A	Lab Control Sample Dup	113	96
LCSD 880-124497/2-A	Lab Control Sample Dup	95	95
LCSD 880-124966/2-A	Lab Control Sample Dup	99	102
MB 880-124398/5-A	Method Blank	112	97
MB 880-124414/5-A	Method Blank	103	88
MB 880-124497/5-A	Method Blank	108	94
MB 880-124753/5-A	Method Blank	99	92
MB 880-124844/5-A	Method Blank	107	88
MB 880-124966/5-A	Method Blank	106	92

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
820-22051-A-21-C MS	Matrix Spike	109	114
820-22051-A-21-D MSD	Matrix Spike Duplicate	104	111
880-65098-1	S-1 (0-1')	107	131 S1+
880-65098-2	S-1 (1.5')	102	124
880-65098-3	S-1 (2')	94	128
880-65098-4	S-2 (0-3")	116	130
880-65098-5	S-2 (0.5')	238 S1+	247 S1+
880-65098-6	S-3 (0-3")	130	146 S1+
880-65098-7	S-3 (0.5')	94	120
880-65319-A-89-E MS	Matrix Spike	157 S1+	119
880-65319-A-89-F MSD	Matrix Spike Duplicate	156 S1+	118
LCS 880-124342/2-A	Lab Control Sample	129	136 S1+
LCS 880-124716/2-A	Lab Control Sample	175 S1+	134 S1+
LCSD 880-124342/3-A	Lab Control Sample Dup	138 S1+	139 S1+

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-65098-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
LCSD 880-124716/3-A	Lab Control Sample Dup	165 S1+	124
MB 880-124342/1-A	Method Blank	112	116
MB 880-124716/1-A	Method Blank	85	86
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65098-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-124398/5-A

Matrix: Solid

Analysis Batch: 124702

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124398

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/19/25 10:08	11/22/25 02:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/19/25 10:08	11/22/25 02:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/19/25 10:08	11/22/25 02:25	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		11/19/25 10:08	11/22/25 02:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/19/25 10:08	11/22/25 02:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/19/25 10:08	11/22/25 02:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	11/19/25 10:08	11/22/25 02:25	1
1,4-Difluorobenzene (Surr)	97		70 - 130	11/19/25 10:08	11/22/25 02:25	1

Lab Sample ID: MB 880-124414/5-A

Matrix: Solid

Analysis Batch: 124849

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124414

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/19/25 12:30	11/25/25 01:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/19/25 12:30	11/25/25 01:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/19/25 12:30	11/25/25 01:23	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		11/19/25 12:30	11/25/25 01:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/19/25 12:30	11/25/25 01:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/19/25 12:30	11/25/25 01:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	11/19/25 12:30	11/25/25 01:23	1
1,4-Difluorobenzene (Surr)	88		70 - 130	11/19/25 12:30	11/25/25 01:23	1

Lab Sample ID: LCS 880-124414/1-A

Matrix: Solid

Analysis Batch: 124849

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124414

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09552		mg/Kg		96	70 - 130
Toluene	0.100	0.09872		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.09571		mg/Kg		96	70 - 130
m,p-Xylenes	0.200	0.1867		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09430		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-124414/2-A

Matrix: Solid

Analysis Batch: 124849

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124414

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1072		mg/Kg		107	70 - 130	12	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65098-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-124414/2-A

Matrix: Solid

Analysis Batch: 124849

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124414

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1062		mg/Kg		106	70 - 130	7	35
Ethylbenzene	0.100	0.1061		mg/Kg		106	70 - 130	10	35
m,p-Xylenes	0.200	0.2063		mg/Kg		103	70 - 130	10	35
o-Xylene	0.100	0.1047		mg/Kg		105	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 820-22040-A-1-E MS

Matrix: Solid

Analysis Batch: 124849

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 124414

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.100	0.1043		mg/Kg		104	70 - 130
Toluene	<0.00200	U F1	0.100	0.1008		mg/Kg		101	70 - 130
Ethylbenzene	<0.00200	U F2 F1	0.100	0.09455		mg/Kg		95	70 - 130
m,p-Xylenes	<0.00399	U F2 F1	0.200	0.1855		mg/Kg		93	70 - 130
o-Xylene	<0.00200	U F2 F1	0.100	0.09466		mg/Kg		95	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 820-22040-A-1-F MSD

Matrix: Solid

Analysis Batch: 124849

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 124414

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	<0.00200	U F1	mg/Kg		0	70 - 130	NC	35
Toluene	<0.00200	U F1	0.100	<0.00200	U F1	mg/Kg		0	70 - 130	NC	35
Ethylbenzene	<0.00200	U F2 F1	0.100	<0.00200	U F2 F1	mg/Kg		1	70 - 130	194	35
m,p-Xylenes	<0.00399	U F2 F1	0.200	<0.00400	U F2 F1	mg/Kg		1	70 - 130	194	35
o-Xylene	<0.00200	U F2 F1	0.100	<0.00200	U F2 F1	mg/Kg		2	70 - 130	192	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: MB 880-124497/5-A

Matrix: Solid

Analysis Batch: 124702

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124497

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 09:24	11/22/25 13:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 09:24	11/22/25 13:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 09:24	11/22/25 13:21	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		11/20/25 09:24	11/22/25 13:21	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65098-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-124497/5-A

Matrix: Solid

Analysis Batch: 124702

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124497

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 09:24	11/22/25 13:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/25 09:24	11/22/25 13:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	11/20/25 09:24	11/22/25 13:21	1
1,4-Difluorobenzene (Surr)	94		70 - 130	11/20/25 09:24	11/22/25 13:21	1

Lab Sample ID: LCS 880-124497/1-A

Matrix: Solid

Analysis Batch: 124702

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124497

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09611		mg/Kg		96	70 - 130
Toluene	0.100	0.08744		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.09741		mg/Kg		97	70 - 130
m,p-Xylenes	0.200	0.1821		mg/Kg		91	70 - 130
o-Xylene	0.100	0.1003		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-124497/2-A

Matrix: Solid

Analysis Batch: 124702

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124497

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09456		mg/Kg		95	70 - 130	2	35
Toluene	0.100	0.08695		mg/Kg		87	70 - 130	1	35
Ethylbenzene	0.100	0.09590		mg/Kg		96	70 - 130	2	35
m,p-Xylenes	0.200	0.1782		mg/Kg		89	70 - 130	2	35
o-Xylene	0.100	0.09443		mg/Kg		94	70 - 130	6	35

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

Lab Sample ID: 880-65232-A-1-A MS

Matrix: Solid

Analysis Batch: 124702

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 124497

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F2 F1	0.100	0.02502	F1	mg/Kg		25	70 - 130
Toluene	<0.00200	U F2 F1	0.100	0.02024	F1	mg/Kg		20	70 - 130
Ethylbenzene	<0.00200	U F2 F1	0.100	0.02933	F1	mg/Kg		29	70 - 130
m,p-Xylenes	<0.00399	U F2 F1	0.200	0.05532	F1	mg/Kg		28	70 - 130
o-Xylene	<0.00200	U F2 F1	0.100	0.03953	F1	mg/Kg		40	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65098-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-65232-A-1-A MS

Matrix: Solid

Analysis Batch: 124702

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 124497

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-65232-A-1-B MSD

Matrix: Solid

Analysis Batch: 124702

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 124497

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 F1	0.100	0.07642	F2	mg/Kg		76	70 - 130	101	35
Toluene	<0.00200	U F2 F1	0.100	0.05821	F2 F1	mg/Kg		58	70 - 130	97	35
Ethylbenzene	<0.00200	U F2 F1	0.100	0.07416	F2	mg/Kg		74	70 - 130	87	35
m,p-Xylenes	<0.00399	U F2 F1	0.200	0.1326	F2 F1	mg/Kg		66	70 - 130	82	35
o-Xylene	<0.00200	U F2 F1	0.100	0.08107	F2	mg/Kg		81	70 - 130	69	35

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

Lab Sample ID: MB 880-124753/5-A

Matrix: Solid

Analysis Batch: 124849

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124753

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/21/25 15:31	11/24/25 14:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/21/25 15:31	11/24/25 14:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/21/25 15:31	11/24/25 14:48	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		11/21/25 15:31	11/24/25 14:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/21/25 15:31	11/24/25 14:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/21/25 15:31	11/24/25 14:48	1

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				11/21/25 15:31	11/24/25 14:48	1
1,4-Difluorobenzene (Surr)	92		70 - 130				11/21/25 15:31	11/24/25 14:48	1

Lab Sample ID: MB 880-124844/5-A

Matrix: Solid

Analysis Batch: 124847

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124844

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/24/25 08:02	11/24/25 11:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/24/25 08:02	11/24/25 11:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/24/25 08:02	11/24/25 11:25	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		11/24/25 08:02	11/24/25 11:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/24/25 08:02	11/24/25 11:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/24/25 08:02	11/24/25 11:25	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65098-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-124844/5-A

Matrix: Solid

Analysis Batch: 124847

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124844

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac		
4-Bromofluorobenzene (Surr)	107		70 - 130	11/24/25 08:02	11/24/25 11:25	1			
1,4-Difluorobenzene (Surr)	88		70 - 130	11/24/25 08:02	11/24/25 11:25	1			

Lab Sample ID: MB 880-124966/5-A

Matrix: Solid

Analysis Batch: 124847

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124966

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil
Benzene	<0.00200	U	0.00200		mg/Kg		11/24/25 16:53	11/24/25 22:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/24/25 16:53	11/24/25 22:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/24/25 16:53	11/24/25 22:22	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		11/24/25 16:53	11/24/25 22:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/24/25 16:53	11/24/25 22:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/24/25 16:53	11/24/25 22:22	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac		
4-Bromofluorobenzene (Surr)	106		70 - 130	11/24/25 16:53	11/24/25 22:22	1			
1,4-Difluorobenzene (Surr)	92		70 - 130	11/24/25 16:53	11/24/25 22:22	1			

Lab Sample ID: LCS 880-124966/1-A

Matrix: Solid

Analysis Batch: 124847

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124966

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	0.100	0.09655		mg/Kg		97	70 - 130		
Toluene	0.100	0.08729		mg/Kg		87	70 - 130		
Ethylbenzene	0.100	0.1021		mg/Kg		102	70 - 130		
m,p-Xylenes	0.200	0.1881		mg/Kg		94	70 - 130		
o-Xylene	0.100	0.1003		mg/Kg		100	70 - 130		

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

Lab Sample ID: LCSD 880-124966/2-A

Matrix: Solid

Analysis Batch: 124847

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124966

	Spike	LCSD	LCSD					%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09902		mg/Kg		99	70 - 130	3	35	
Toluene	0.100	0.09043		mg/Kg		90	70 - 130	4	35	
Ethylbenzene	0.100	0.1022		mg/Kg		102	70 - 130	0	35	
m,p-Xylenes	0.200	0.1917		mg/Kg		96	70 - 130	2	35	
o-Xylene	0.100	0.1014		mg/Kg		101	70 - 130	1	35	

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65098-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-124966/2-A

Matrix: Solid

Analysis Batch: 124847

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124966

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

Lab Sample ID: 890-9129-A-1-G MS

Matrix: Solid

Analysis Batch: 124847

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 124966

	Sample	Sample	Spike	MS	MS			%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00200	U	0.100	0.08422		mg/Kg		84	70 - 130
Toluene	<0.00200	U	0.100	0.07491		mg/Kg		75	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08673		mg/Kg		87	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1605		mg/Kg		80	70 - 130
o-Xylene	<0.00200	U	0.100	0.08464		mg/Kg		85	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 890-9129-A-1-H MSD

Matrix: Solid

Analysis Batch: 124847

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 124966

	Sample	Sample	Spike	MSD	MSD			%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.09513		mg/Kg		95	70 - 130	12	35
Toluene	<0.00200	U	0.100	0.08603		mg/Kg		86	70 - 130	14	35
Ethylbenzene	<0.00200	U	0.100	0.09766		mg/Kg		98	70 - 130	12	35
m,p-Xylenes	<0.00399	U	0.200	0.1816		mg/Kg		91	70 - 130	12	35
o-Xylene	<0.00200	U	0.100	0.09294		mg/Kg		93	70 - 130	9	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-124342/1-A

Matrix: Solid

Analysis Batch: 124513

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124342

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/18/25 14:36	11/20/25 08:24		1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/18/25 14:36	11/20/25 08:24		1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/18/25 14:36	11/20/25 08:24		1

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
1-Chlorooctane (Surr)	112		70 - 130	11/18/25 14:36	11/20/25 08:24		1			
o-Terphenyl (Surr)	116		70 - 130	11/18/25 14:36	11/20/25 08:24		1			

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65098-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-124342/2-A

Matrix: Solid

Analysis Batch: 124513

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124342

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	826.3		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1013		mg/Kg		101	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
1-Chlorooctane (Surr)	129		70 - 130				
o-Terphenyl (Surr)	136	S1+	70 - 130				

Lab Sample ID: LCSD 880-124342/3-A

Matrix: Solid

Analysis Batch: 124513

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124342

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	887.8		mg/Kg		89	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	1034		mg/Kg		103	70 - 130	2	20
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	138	S1+	70 - 130						
o-Terphenyl (Surr)	139	S1+	70 - 130						

Lab Sample ID: 820-22051-A-21-C MS

Matrix: Solid

Analysis Batch: 124513

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 124342

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	996	831.6		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U F1	996	710.1	F1	mg/Kg		69	70 - 130
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	109		70 - 130						
o-Terphenyl (Surr)	114		70 - 130						

Lab Sample ID: 820-22051-A-21-D MSD

Matrix: Solid

Analysis Batch: 124513

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 124342

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	996	792.5		mg/Kg		80	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<49.8	U F1	996	711.5	F1	mg/Kg		69	70 - 130	0	20
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	104		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65098-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 820-22051-A-21-D MSD

Matrix: Solid

Analysis Batch: 124513

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 124342

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl (Surr)	111		70 - 130

Lab Sample ID: MB 880-124716/1-A

Matrix: Solid

Analysis Batch: 124872

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124716

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/21/25 13:18	11/24/25 08:47	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/21/25 13:18	11/24/25 08:47	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/21/25 13:18	11/24/25 08:47	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	85		70 - 130				11/21/25 13:18	11/24/25 08:47	1	
<i>o</i> -Terphenyl (Surr)	86		70 - 130				11/21/25 13:18	11/24/25 08:47	1	

Lab Sample ID: LCS 880-124716/2-A

Matrix: Solid

Analysis Batch: 124872

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124716

		Spike	LCS	LCS				%Rec		
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10		1000	1036		mg/Kg		104	70 - 130		
Diesel Range Organics (Over C10-C28)		1000	1129		mg/Kg		113	70 - 130		
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane (Surr)	175	S1+	70 - 130							
<i>o</i> -Terphenyl (Surr)	134	S1+	70 - 130							

Lab Sample ID: LCSD 880-124716/3-A

Matrix: Solid

Analysis Batch: 124872

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124716

		Spike	LCSD	LCSD				%Rec		RPD	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10		1000	1009		mg/Kg		101	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)		1000	1048		mg/Kg		105	70 - 130	7	20	
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	165	S1+	70 - 130								
<i>o</i> -Terphenyl (Surr)	124		70 - 130								

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65098-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-65319-A-89-E MS

Matrix: Solid

Analysis Batch: 124872

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 124716

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	864.4		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	921.2		mg/Kg		90	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane (Surr)	157	S1+	70 - 130						
o-Terphenyl (Surr)	119		70 - 130						

Lab Sample ID: 880-65319-A-89-F MSD

Matrix: Solid

Analysis Batch: 124872

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 124716

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	864.9		mg/Kg		85	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	970.2		mg/Kg		95	70 - 130	5	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	156	S1+	70 - 130								
o-Terphenyl (Surr)	118		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-124357/1-A

Matrix: Solid

Analysis Batch: 124403

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			11/19/25 13:13	1

Lab Sample ID: LCS 880-124357/2-A

Matrix: Solid

Analysis Batch: 124403

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.8		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-124357/3-A

Matrix: Solid

Analysis Batch: 124403

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	242.5		mg/Kg		97	90 - 110	1	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65098-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-65098-6 MS											Client Sample ID: S-3 (0-3")		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 124403													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	12800	F1	4950	19180	F1	mg/Kg		128	90 - 110				

Lab Sample ID: 880-65098-6 MSD											Client Sample ID: S-3 (0-3")		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 124403													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	12800	F1	4950	19230	F1	mg/Kg		129	90 - 110	0	20		

QC Association Summary

Client: Carmona Resources

Job ID: 880-65098-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 124398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-124398/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 124414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65098-2	S-1 (1.5')	Total/NA	Solid	5035	
880-65098-3	S-1 (2')	Total/NA	Solid	5035	
880-65098-4	S-2 (0-3")	Total/NA	Solid	5035	
880-65098-5	S-2 (0.5')	Total/NA	Solid	5035	
880-65098-6	S-3 (0-3")	Total/NA	Solid	5035	
880-65098-7	S-3 (0.5')	Total/NA	Solid	5035	
MB 880-124414/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-124414/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-124414/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
820-22040-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
820-22040-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 124497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65098-1	S-1 (0-1')	Total/NA	Solid	5035	
MB 880-124497/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-124497/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-124497/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-65232-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-65232-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 124702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65098-1	S-1 (0-1')	Total/NA	Solid	8021B	124497
MB 880-124398/5-A	Method Blank	Total/NA	Solid	8021B	124398
MB 880-124497/5-A	Method Blank	Total/NA	Solid	8021B	124497
LCS 880-124497/1-A	Lab Control Sample	Total/NA	Solid	8021B	124497
LCSD 880-124497/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	124497
880-65232-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	124497
880-65232-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	124497

Prep Batch: 124753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-124753/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 124844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-124844/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 124847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-124844/5-A	Method Blank	Total/NA	Solid	8021B	124844
MB 880-124966/5-A	Method Blank	Total/NA	Solid	8021B	124966
LCS 880-124966/1-A	Lab Control Sample	Total/NA	Solid	8021B	124966
LCSD 880-124966/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	124966
890-9129-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	124966
890-9129-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	124966

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QC Association Summary

Client: Carmona Resources

Job ID: 880-65098-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 124849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65098-2	S-1 (1.5')	Total/NA	Solid	8021B	124414
880-65098-3	S-1 (2')	Total/NA	Solid	8021B	124414
880-65098-4	S-2 (0-3")	Total/NA	Solid	8021B	124414
880-65098-5	S-2 (0.5')	Total/NA	Solid	8021B	124414
880-65098-6	S-3 (0-3")	Total/NA	Solid	8021B	124414
880-65098-7	S-3 (0.5')	Total/NA	Solid	8021B	124414
MB 880-124414/5-A	Method Blank	Total/NA	Solid	8021B	124414
MB 880-124753/5-A	Method Blank	Total/NA	Solid	8021B	124753
LCS 880-124414/1-A	Lab Control Sample	Total/NA	Solid	8021B	124414
LCSD 880-124414/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	124414
820-22040-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	124414
820-22040-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	124414

Analysis Batch: 124949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65098-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-65098-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-65098-3	S-1 (2')	Total/NA	Solid	Total BTEX	
880-65098-4	S-2 (0-3")	Total/NA	Solid	Total BTEX	
880-65098-5	S-2 (0.5')	Total/NA	Solid	Total BTEX	
880-65098-6	S-3 (0-3")	Total/NA	Solid	Total BTEX	
880-65098-7	S-3 (0.5')	Total/NA	Solid	Total BTEX	

Prep Batch: 124966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-124966/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-124966/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-124966/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9129-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
890-9129-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 124342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65098-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-65098-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-65098-3	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-65098-4	S-2 (0-3")	Total/NA	Solid	8015NM Prep	
880-65098-5	S-2 (0.5')	Total/NA	Solid	8015NM Prep	
880-65098-6	S-3 (0-3")	Total/NA	Solid	8015NM Prep	
880-65098-7	S-3 (0.5')	Total/NA	Solid	8015NM Prep	
MB 880-124342/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-124342/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-124342/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
820-22051-A-21-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
820-22051-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 124513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65098-1	S-1 (0-1')	Total/NA	Solid	8015B NM	124342

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QC Association Summary

Client: Carmona Resources

Job ID: 880-65098-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 124513 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65098-2	S-1 (1.5')	Total/NA	Solid	8015B NM	124342
880-65098-3	S-1 (2')	Total/NA	Solid	8015B NM	124342
880-65098-4	S-2 (0-3")	Total/NA	Solid	8015B NM	124342
880-65098-5	S-2 (0.5')	Total/NA	Solid	8015B NM	124342
880-65098-6	S-3 (0-3")	Total/NA	Solid	8015B NM	124342
880-65098-7	S-3 (0.5')	Total/NA	Solid	8015B NM	124342
MB 880-124342/1-A	Method Blank	Total/NA	Solid	8015B NM	124342
LCS 880-124342/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	124342
LCSD 880-124342/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	124342
820-22051-A-21-C MS	Matrix Spike	Total/NA	Solid	8015B NM	124342
820-22051-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	124342

Prep Batch: 124716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65098-6	S-3 (0-3")	Total/NA	Solid	8015NM Prep	
MB 880-124716/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-124716/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-124716/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-65319-A-89-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-65319-A-89-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 124744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65098-1	S-1 (0-1")	Total/NA	Solid	8015 NM	
880-65098-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-65098-3	S-1 (2')	Total/NA	Solid	8015 NM	
880-65098-4	S-2 (0-3")	Total/NA	Solid	8015 NM	
880-65098-5	S-2 (0.5')	Total/NA	Solid	8015 NM	
880-65098-6	S-3 (0-3")	Total/NA	Solid	8015 NM	
880-65098-7	S-3 (0.5')	Total/NA	Solid	8015 NM	

Analysis Batch: 124872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65098-6	S-3 (0-3")	Total/NA	Solid	8015B NM	124716
MB 880-124716/1-A	Method Blank	Total/NA	Solid	8015B NM	124716
LCS 880-124716/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	124716
LCSD 880-124716/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	124716
880-65319-A-89-E MS	Matrix Spike	Total/NA	Solid	8015B NM	124716
880-65319-A-89-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	124716

HPLC/IC

Leach Batch: 124357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65098-1	S-1 (0-1")	Soluble	Solid	DI Leach	
880-65098-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-65098-3	S-1 (2')	Soluble	Solid	DI Leach	
880-65098-4	S-2 (0-3")	Soluble	Solid	DI Leach	
880-65098-5	S-2 (0.5')	Soluble	Solid	DI Leach	
880-65098-6	S-3 (0-3")	Soluble	Solid	DI Leach	
880-65098-7	S-3 (0.5')	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources

Job ID: 880-65098-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 124357 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-124357/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-124357/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-124357/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-65098-6 MS	S-3 (0-3")	Soluble	Solid	DI Leach	
880-65098-6 MSD	S-3 (0-3")	Soluble	Solid	DI Leach	

Analysis Batch: 124403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65098-1	S-1 (0-1')	Soluble	Solid	300.0	124357
880-65098-2	S-1 (1.5')	Soluble	Solid	300.0	124357
880-65098-3	S-1 (2')	Soluble	Solid	300.0	124357
880-65098-4	S-2 (0-3")	Soluble	Solid	300.0	124357
880-65098-5	S-2 (0.5')	Soluble	Solid	300.0	124357
880-65098-6	S-3 (0-3")	Soluble	Solid	300.0	124357
880-65098-7	S-3 (0.5')	Soluble	Solid	300.0	124357
MB 880-124357/1-A	Method Blank	Soluble	Solid	300.0	124357
LCS 880-124357/2-A	Lab Control Sample	Soluble	Solid	300.0	124357
LCSD 880-124357/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	124357
880-65098-6 MS	S-3 (0-3")	Soluble	Solid	300.0	124357
880-65098-6 MSD	S-3 (0-3")	Soluble	Solid	300.0	124357

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65098-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-65098-1

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

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	124497	11/20/25 09:24	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124702	11/22/25 20:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124949	11/22/25 20:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			124744	11/20/25 13:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	124342	11/18/25 14:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124513	11/20/25 13:52	SA	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	124357	11/18/25 16:20	SA	EET MID
Soluble	Analysis	300.0		10			124403	11/20/25 10:13	CS	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-65098-2

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

Prep 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	124414	11/19/25 12:30	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124849	11/25/25 06:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124949	11/25/25 06:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			124744	11/20/25 14:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	124342	11/18/25 14:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124513	11/20/25 14:11	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	124357	11/18/25 16:20	SA	EET MID
Soluble	Analysis	300.0		5			124403	11/19/25 14:21	CS	EET MID

Client Sample ID: S-1 (2')

Lab Sample ID: 880-65098-3

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

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	124414	11/19/25 12:30	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124849	11/25/25 06:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124949	11/25/25 06:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			124744	11/20/25 15:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	124342	11/18/25 14:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124513	11/20/25 15:58	SA	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	124357	11/18/25 16:20	SA	EET MID
Soluble	Analysis	300.0		5			124403	11/19/25 14:27	CS	EET MID

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-65098-4

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

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	124414	11/19/25 12:30	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124849	11/25/25 07:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124949	11/25/25 07:13	SA	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65098-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-65098-4

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

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			124744	11/20/25 16:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	124342	11/18/25 14:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124513	11/20/25 16:36	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	124357	11/18/25 16:20	SA	EET MID
Soluble	Analysis	300.0		20			124403	11/19/25 14:32	CS	EET MID

Client Sample ID: S-2 (0.5')

Lab Sample ID: 880-65098-5

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

Prep 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	124414	11/19/25 12:30	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124849	11/25/25 07:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124949	11/25/25 07:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			124744	11/20/25 16:55	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	124342	11/18/25 14:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124513	11/20/25 16:55	SA	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	124357	11/18/25 16:20	SA	EET MID
Soluble	Analysis	300.0		20			124403	11/19/25 14:37	CS	EET MID

Client Sample ID: S-3 (0-3")

Lab Sample ID: 880-65098-6

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

Prep 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	124414	11/19/25 12:30	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124849	11/25/25 07:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124949	11/25/25 07:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			124744	11/24/25 16:26	SA	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10.00 mL	124342	11/18/25 14:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124513	11/20/25 17:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	124716	11/21/25 13:18	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	124872	11/24/25 16:26	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	124357	11/18/25 16:20	SA	EET MID
Soluble	Analysis	300.0		20			124403	11/19/25 14:42	CS	EET MID

Client Sample ID: S-3 (0.5')

Lab Sample ID: 880-65098-7

Date Collected: 11/14/25 00:00

Matrix: Solid

Date Received: 11/18/25 12:05

Prep 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	124414	11/19/25 12:30	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124849	11/25/25 08:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124949	11/25/25 08:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			124744	11/20/25 17:33	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65098-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (0.5')
Date Collected: 11/14/25 00:00
Date Received: 11/18/25 12:05

Lab Sample ID: 880-65098-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	124342	11/18/25 14:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124513	11/20/25 17:33	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	124357	11/18/25 16:20	SA	EET MID
Soluble	Analysis	300.0		5			124403	11/19/25 14:58	CS	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: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65098-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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Method Summary

Client: Carmona Resources

Job ID: 880-65098-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-65098-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-65098-1	S-1 (0-1')	Solid	11/14/25 00:00	11/18/25 12:05	New Mexico
880-65098-2	S-1 (1.5')	Solid	11/14/25 00:00	11/18/25 12:05	New Mexico
880-65098-3	S-1 (2')	Solid	11/14/25 00:00	11/18/25 12:05	New Mexico
880-65098-4	S-2 (0-3")	Solid	11/14/25 00:00	11/18/25 12:05	New Mexico
880-65098-5	S-2 (0.5')	Solid	11/14/25 00:00	11/18/25 12:05	New Mexico
880-65098-6	S-3 (0-3")	Solid	11/14/25 00:00	11/18/25 12:05	New Mexico
880-65098-7	S-3 (0.5')	Solid	11/14/25 00:00	11/18/25 12:05	New Mexico

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380-65098 Chain of Custody

Chain of Custody

Page 1 of 1

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 Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonaresources.com

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
REB 	11/18/25 12:05	SMC 	11/18/25 12:05

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-65098-1
SDG Number: Eddy County, New Mexico

Login Number: 65098

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 1/5/2026 10:29:14 PM

JOB DESCRIPTION

Copperhead 31 Federal A CTB (10.22.25)
Eddy County New Mexico

JOB NUMBER

890-9297-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

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

Authorization



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1/5/2026 10:29:14 PM

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

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Laboratory Job ID: 890-9297-1
SDG: Eddy County New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1
SDG: Eddy County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1

Job ID: 890-9297-1

Eurofins Carlsbad

Job Narrative 890-9297-1

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

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

Receipt

The samples were received on 12/30/2025 4:05 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 -0.6°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: T-1 (0-1) (890-9297-1), T-1 (1.5) (890-9297-2), T-1 (2) (890-9297-3), T-1 (3) (890-9297-4), T-1 (4) (890-9297-5), T-1 (5) (890-9297-6), T-2 (0-1) (890-9297-7), T-2 (1.5) (890-9297-8), T-2 (2) (890-9297-9), T-2 (3) (890-9297-10), T-2 (4) (890-9297-11), T-3 (0-1) (890-9297-12), T-3 (1.5) (890-9297-13), T-3 (2) (890-9297-14), T-3 (3) (890-9297-15), T-3 (4) (890-9297-16) and T-3 (5) (890-9297-17).

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: Surrogate recovery for the following sample was outside control limits: T-3 (1.5) (890-9297-13). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-128174 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is:(CCV 880-128174/111).

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-128176 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is:(CCV 880-128176/108).

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 Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1
SDG: Eddy County New Mexico

Client Sample ID: T-1 (0-1)

Lab Sample ID: 890-9297-1

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/31/25 10:12	12/31/25 21:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/31/25 10:12	12/31/25 21:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/31/25 10:12	12/31/25 21:30	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		12/31/25 10:12	12/31/25 21:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/31/25 10:12	12/31/25 21:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/31/25 10:12	12/31/25 21:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	12/31/25 10:12	12/31/25 21:30	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/31/25 10:12	12/31/25 21:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/31/25 21:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			01/05/26 12:14	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	<49.6	U	49.6		mg/Kg		12/31/25 08:48	01/05/26 12:14	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		12/31/25 08:48	01/05/26 12:14	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		12/31/25 08:48	01/05/26 12:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130	12/31/25 08:48	01/05/26 12:14	1
o-Terphenyl (Surr)	110		70 - 130	12/31/25 08:48	01/05/26 12:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		49.5		mg/Kg			12/31/25 17:39	5

Client Sample ID: T-1 (1.5)

Lab Sample ID: 890-9297-2

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/31/25 10:12	12/31/25 21:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/31/25 10:12	12/31/25 21:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/31/25 10:12	12/31/25 21:50	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		12/31/25 10:12	12/31/25 21:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/31/25 10:12	12/31/25 21:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/31/25 10:12	12/31/25 21:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	12/31/25 10:12	12/31/25 21:50	1
1,4-Difluorobenzene (Surr)	106		70 - 130	12/31/25 10:12	12/31/25 21:50	1

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1
SDG: Eddy County New Mexico

Client Sample ID: T-1 (1.5)

Lab Sample ID: 890-9297-2

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/31/25 21:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/05/26 12:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/31/25 08:48	01/05/26 12:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/31/25 08:48	01/05/26 12:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/31/25 08:48	01/05/26 12:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130				12/31/25 08:48	01/05/26 12:28	1
o-Terphenyl (Surr)	107		70 - 130				12/31/25 08:48	01/05/26 12:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.8		50.2		mg/Kg			12/31/25 18:28	5

Client Sample ID: T-1 (2)

Lab Sample ID: 890-9297-3

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/31/25 10:12	12/31/25 22:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/31/25 10:12	12/31/25 22:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/31/25 10:12	12/31/25 22:11	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		12/31/25 10:12	12/31/25 22:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/31/25 10:12	12/31/25 22:11	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/31/25 10:12	12/31/25 22:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				12/31/25 10:12	12/31/25 22:11	1
1,4-Difluorobenzene (Surr)	93		70 - 130				12/31/25 10:12	12/31/25 22:11	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			12/31/25 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/05/26 12:42	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		12/31/25 08:48	01/05/26 12:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/31/25 08:48	01/05/26 12:42	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1
SDG: Eddy County New Mexico

Client Sample ID: T-1 (2)

Lab Sample ID: 890-9297-3

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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		12/31/25 08:48	01/05/26 12:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130				12/31/25 08:48	01/05/26 12:42	1
o-Terphenyl (Surr)	111		70 - 130				12/31/25 08:48	01/05/26 12:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.8		10.1		mg/Kg			12/31/25 18:34	1

Client Sample ID: T-1 (3)

Lab Sample ID: 890-9297-4

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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		12/31/25 10:12	12/31/25 22:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/31/25 10:12	12/31/25 22:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/31/25 10:12	12/31/25 22:31	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		12/31/25 10:12	12/31/25 22:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/31/25 10:12	12/31/25 22:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/31/25 10:12	12/31/25 22:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				12/31/25 10:12	12/31/25 22:31	1
1,4-Difluorobenzene (Surr)	100		70 - 130				12/31/25 10:12	12/31/25 22:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/31/25 22:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/05/26 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/31/25 08:48	01/05/26 12:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/31/25 08:48	01/05/26 12:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/31/25 08:48	01/05/26 12:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130				12/31/25 08:48	01/05/26 12:56	1
o-Terphenyl (Surr)	109		70 - 130				12/31/25 08:48	01/05/26 12:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		10.0		mg/Kg			12/31/25 18:41	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1
SDG: Eddy County New Mexico

Client Sample ID: T-1 (4)

Lab Sample ID: 890-9297-5

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/31/25 10:12	12/31/25 22:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/31/25 10:12	12/31/25 22:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/31/25 10:12	12/31/25 22:51	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		12/31/25 10:12	12/31/25 22:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/31/25 10:12	12/31/25 22:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/31/25 10:12	12/31/25 22:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	12/31/25 10:12	12/31/25 22:51	1
1,4-Difluorobenzene (Surr)	84		70 - 130	12/31/25 10:12	12/31/25 22:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/31/25 22:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/05/26 13:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/31/25 08:48	01/05/26 13:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/31/25 08:48	01/05/26 13:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/31/25 08:48	01/05/26 13:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130	12/31/25 08:48	01/05/26 13:11	1
o-Terphenyl (Surr)	107		70 - 130	12/31/25 08:48	01/05/26 13:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	243		10.1		mg/Kg			12/31/25 18:48	1

Client Sample ID: T-1 (5)

Lab Sample ID: 890-9297-6

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/31/25 10:12	12/31/25 23:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/31/25 10:12	12/31/25 23:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/31/25 10:12	12/31/25 23:12	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		12/31/25 10:12	12/31/25 23:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/31/25 10:12	12/31/25 23:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/31/25 10:12	12/31/25 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	12/31/25 10:12	12/31/25 23:12	1
1,4-Difluorobenzene (Surr)	94		70 - 130	12/31/25 10:12	12/31/25 23:12	1

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Client Sample Results

Client: Carmona Resources

Job ID: 890-9297-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

Client Sample ID: T-1 (5)

Lab Sample ID: 890-9297-6

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/31/25 23:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/05/26 13:25	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	<50.0	U	50.0		mg/Kg		12/31/25 08:48	01/05/26 13:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/31/25 08:48	01/05/26 13:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/31/25 08:48	01/05/26 13:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130				12/31/25 08:48	01/05/26 13:25	1
o-Terphenyl (Surr)	108		70 - 130				12/31/25 08:48	01/05/26 13:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.4		10.1		mg/Kg			12/31/25 19:09	1

Client Sample ID: T-2 (0-1)

Lab Sample ID: 890-9297-7

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/31/25 10:12	12/31/25 23:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/31/25 10:12	12/31/25 23:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/31/25 10:12	12/31/25 23:33	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		12/31/25 10:12	12/31/25 23:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/31/25 10:12	12/31/25 23:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/31/25 10:12	12/31/25 23:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				12/31/25 10:12	12/31/25 23:33	1
1,4-Difluorobenzene (Surr)	89		70 - 130				12/31/25 10:12	12/31/25 23:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/31/25 23:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/05/26 13:40	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		12/31/25 08:48	01/05/26 13:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/31/25 08:48	01/05/26 13:40	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1
SDG: Eddy County New Mexico

Client Sample ID: T-2 (0-1)

Lab Sample ID: 890-9297-7

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/31/25 08:48	01/05/26 13:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130				12/31/25 08:48	01/05/26 13:40	1
o-Terphenyl (Surr)	111		70 - 130				12/31/25 08:48	01/05/26 13:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	617		9.94		mg/Kg			12/31/25 19:16	1

Client Sample ID: T-2 (1.5)

Lab Sample ID: 890-9297-8

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/31/25 10:12	12/31/25 23:53	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/31/25 10:12	12/31/25 23:53	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/31/25 10:12	12/31/25 23:53	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		12/31/25 10:12	12/31/25 23:53	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/31/25 10:12	12/31/25 23:53	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/31/25 10:12	12/31/25 23:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				12/31/25 10:12	12/31/25 23:53	1
1,4-Difluorobenzene (Surr)	89		70 - 130				12/31/25 10:12	12/31/25 23:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/31/25 23:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/05/26 13:54	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		12/31/25 08:48	01/05/26 13:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/31/25 08:48	01/05/26 13:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/31/25 08:48	01/05/26 13:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130				12/31/25 08:48	01/05/26 13:54	1
o-Terphenyl (Surr)	105		70 - 130				12/31/25 08:48	01/05/26 13:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	660		9.96		mg/Kg			12/31/25 19:23	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1
SDG: Eddy County New Mexico

Client Sample ID: T-2 (2)

Lab Sample ID: 890-9297-9

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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		12/31/25 10:12	01/01/26 00:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/31/25 10:12	01/01/26 00:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/31/25 10:12	01/01/26 00:13	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		12/31/25 10:12	01/01/26 00:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/31/25 10:12	01/01/26 00:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/31/25 10:12	01/01/26 00:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	12/31/25 10:12	01/01/26 00:13	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/31/25 10:12	01/01/26 00:13	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			01/01/26 00:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	56.5		49.9		mg/Kg			01/05/26 14:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/31/25 08:48	01/05/26 14:09	1
Diesel Range Organics (Over C10-C28)	56.5		49.9		mg/Kg		12/31/25 08:48	01/05/26 14:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/31/25 08:48	01/05/26 14:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130	12/31/25 08:48	01/05/26 14:09	1
o-Terphenyl (Surr)	109		70 - 130	12/31/25 08:48	01/05/26 14:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	381		10.1		mg/Kg			12/31/25 19:30	1

Client Sample ID: T-2 (3)

Lab Sample ID: 890-9297-10

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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		12/31/25 10:12	01/01/26 00:34	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/31/25 10:12	01/01/26 00:34	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/31/25 10:12	01/01/26 00:34	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		12/31/25 10:12	01/01/26 00:34	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/31/25 10:12	01/01/26 00:34	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/31/25 10:12	01/01/26 00:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	12/31/25 10:12	01/01/26 00:34	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/31/25 10:12	01/01/26 00:34	1

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Client Sample Results

Client: Carmona Resources

Job ID: 890-9297-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

Client Sample ID: T-2 (3)

Lab Sample ID: 890-9297-10

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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			01/01/26 00:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/05/26 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/31/25 08:48	01/05/26 14:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/31/25 08:48	01/05/26 14:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/31/25 08:48	01/05/26 14:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130				12/31/25 08:48	01/05/26 14:37	1
o-Terphenyl (Surr)	100		70 - 130				12/31/25 08:48	01/05/26 14:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.2		10.0		mg/Kg			12/31/25 19:37	1

Client Sample ID: T-2 (4)

Lab Sample ID: 890-9297-11

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/31/25 10:12	01/01/26 02:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/31/25 10:12	01/01/26 02:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/31/25 10:12	01/01/26 02:07	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		12/31/25 10:12	01/01/26 02:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/31/25 10:12	01/01/26 02:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/31/25 10:12	01/01/26 02:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				12/31/25 10:12	01/01/26 02:07	1
1,4-Difluorobenzene (Surr)	97		70 - 130				12/31/25 10:12	01/01/26 02:07	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			01/01/26 02:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/05/26 14:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/31/25 08:48	01/05/26 14:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/31/25 08:48	01/05/26 14:51	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1
SDG: Eddy County New Mexico

Client Sample ID: T-2 (4)

Lab Sample ID: 890-9297-11

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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		12/31/25 08:48	01/05/26 14:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130				12/31/25 08:48	01/05/26 14:51	1
o-Terphenyl (Surr)	102		70 - 130				12/31/25 08:48	01/05/26 14:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.0		10.1		mg/Kg			12/31/25 19:44	1

Client Sample ID: T-3 (0-1)

Lab Sample ID: 890-9297-12

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/31/25 10:12	01/01/26 02:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/31/25 10:12	01/01/26 02:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/31/25 10:12	01/01/26 02:27	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		12/31/25 10:12	01/01/26 02:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/31/25 10:12	01/01/26 02:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/31/25 10:12	01/01/26 02:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				12/31/25 10:12	01/01/26 02:27	1
1,4-Difluorobenzene (Surr)	100		70 - 130				12/31/25 10:12	01/01/26 02:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/01/26 02:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/05/26 15:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/31/25 08:48	01/05/26 15:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/31/25 08:48	01/05/26 15:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/31/25 08:48	01/05/26 15:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130				12/31/25 08:48	01/05/26 15:05	1
o-Terphenyl (Surr)	104		70 - 130				12/31/25 08:48	01/05/26 15:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1260		50.5		mg/Kg			12/31/25 20:04	5

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1
SDG: Eddy County New Mexico

Client Sample ID: T-3 (1.5)

Lab Sample ID: 890-9297-13

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/31/25 10:12	01/01/26 02:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/31/25 10:12	01/01/26 02:48	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/31/25 10:12	01/01/26 02:48	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		12/31/25 10:12	01/01/26 02:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/31/25 10:12	01/01/26 02:48	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/31/25 10:12	01/01/26 02:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	12/31/25 10:12	01/01/26 02:48	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/31/25 10:12	01/01/26 02:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/01/26 02:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/05/26 15:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/31/25 08:48	01/05/26 15:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/31/25 08:48	01/05/26 15:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/31/25 08:48	01/05/26 15:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	215	S1+	70 - 130	12/31/25 08:48	01/05/26 15:19	1
o-Terphenyl (Surr)	214	S1+	70 - 130	12/31/25 08:48	01/05/26 15:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	680		10.1		mg/Kg			12/31/25 20:11	1

Client Sample ID: T-3 (2)

Lab Sample ID: 890-9297-14

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/31/25 10:12	01/01/26 03:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/31/25 10:12	01/01/26 03:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/31/25 10:12	01/01/26 03:08	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		12/31/25 10:12	01/01/26 03:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/31/25 10:12	01/01/26 03:08	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/31/25 10:12	01/01/26 03:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	12/31/25 10:12	01/01/26 03:08	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/31/25 10:12	01/01/26 03:08	1

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Client Sample Results

Client: Carmona Resources

Job ID: 890-9297-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

Client Sample ID: T-3 (2)

Lab Sample ID: 890-9297-14

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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			01/01/26 03:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/05/26 15:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/31/25 08:48	01/05/26 15:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/31/25 08:48	01/05/26 15:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/31/25 08:48	01/05/26 15:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130				12/31/25 08:48	01/05/26 15:33	1
o-Terphenyl (Surr)	111		70 - 130				12/31/25 08:48	01/05/26 15:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	678		10.1		mg/Kg			12/31/25 20:32	1

Client Sample ID: T-3 (3)

Lab Sample ID: 890-9297-15

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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		12/31/25 10:12	01/01/26 03:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/31/25 10:12	01/01/26 03:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/31/25 10:12	01/01/26 03:29	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		12/31/25 10:12	01/01/26 03:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/31/25 10:12	01/01/26 03:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/31/25 10:12	01/01/26 03:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				12/31/25 10:12	01/01/26 03:29	1
1,4-Difluorobenzene (Surr)	94		70 - 130				12/31/25 10:12	01/01/26 03:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/01/26 03:29	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			01/05/26 14:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/25 08:18	01/05/26 14:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/25 08:18	01/05/26 14:51	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1
SDG: Eddy County New Mexico

Client Sample ID: T-3 (3)

Lab Sample ID: 890-9297-15

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/25 08:18	01/05/26 14:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130				12/30/25 08:18	01/05/26 14:51	1
o-Terphenyl (Surr)	110		70 - 130				12/30/25 08:18	01/05/26 14:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	408		9.98		mg/Kg			12/31/25 20:39	1

Client Sample ID: T-3 (4)

Lab Sample ID: 890-9297-16

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/31/25 10:12	01/01/26 03:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/31/25 10:12	01/01/26 03:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/31/25 10:12	01/01/26 03:49	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		12/31/25 10:12	01/01/26 03:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/31/25 10:12	01/01/26 03:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/31/25 10:12	01/01/26 03:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				12/31/25 10:12	01/01/26 03:49	1
1,4-Difluorobenzene (Surr)	95		70 - 130				12/31/25 10:12	01/01/26 03:49	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			01/01/26 03:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/05/26 15:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/30/25 08:18	01/05/26 15:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/30/25 08:18	01/05/26 15:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/25 08:18	01/05/26 15:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130				12/30/25 08:18	01/05/26 15:05	1
o-Terphenyl (Surr)	106		70 - 130				12/30/25 08:18	01/05/26 15:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		9.92		mg/Kg			12/31/25 20:46	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1
SDG: Eddy County New Mexico

Client Sample ID: T-3 (5)

Lab Sample ID: 890-9297-17

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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		12/31/25 10:12	01/01/26 04:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/31/25 10:12	01/01/26 04:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/31/25 10:12	01/01/26 04:10	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		12/31/25 10:12	01/01/26 04:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/31/25 10:12	01/01/26 04:10	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/31/25 10:12	01/01/26 04:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	12/31/25 10:12	01/01/26 04:10	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/31/25 10:12	01/01/26 04:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/01/26 04:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/05/26 15:19	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		12/30/25 08:18	01/05/26 15:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/30/25 08:18	01/05/26 15:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/30/25 08:18	01/05/26 15:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130	12/30/25 08:18	01/05/26 15:19	1
o-Terphenyl (Surr)	110		70 - 130	12/30/25 08:18	01/05/26 15:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.0		9.94		mg/Kg			12/31/25 20:53	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
890-9297-1	T-1 (0-1)	112	99				
890-9297-1 MS	T-1 (0-1)	115	101				
890-9297-1 MSD	T-1 (0-1)	117	100				
890-9297-2	T-1 (1.5)	116	106				
890-9297-3	T-1 (2)	130	93				
890-9297-4	T-1 (3)	115	100				
890-9297-5	T-1 (4)	95	84				
890-9297-6	T-1 (5)	111	94				
890-9297-7	T-2 (0-1)	122	89				
890-9297-8	T-2 (1.5)	107	89				
890-9297-9	T-2 (2)	110	96				
890-9297-10	T-2 (3)	110	96				
890-9297-11	T-2 (4)	103	97				
890-9297-12	T-3 (0-1)	117	100				
890-9297-13	T-3 (1.5)	111	97				
890-9297-14	T-3 (2)	102	95				
890-9297-15	T-3 (3)	103	94				
890-9297-16	T-3 (4)	112	95				
890-9297-17	T-3 (5)	118	98				
LCS 880-127988/1-A	Lab Control Sample	112	107				
LCSD 880-127988/2-A	Lab Control Sample Dup	108	98				
MB 880-127805/5-A	Method Blank	113	94				
MB 880-127988/5-A	Method Blank	107	93				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
890-9293-A-4-E MS	Matrix Spike	130	119				
890-9293-A-4-F MSD	Matrix Spike Duplicate	129	118				
890-9293-A-15-C MS	Matrix Spike	123	111				
890-9293-A-15-D MSD	Matrix Spike Duplicate	122	107				
890-9297-1	T-1 (0-1)	107	110				
890-9297-2	T-1 (1.5)	106	107				
890-9297-3	T-1 (2)	107	111				
890-9297-4	T-1 (3)	107	109				
890-9297-5	T-1 (4)	105	107				
890-9297-6	T-1 (5)	107	108				
890-9297-7	T-2 (0-1)	109	111				
890-9297-8	T-2 (1.5)	103	105				
890-9297-9	T-2 (2)	105	109				
890-9297-10	T-2 (3)	98	100				
890-9297-11	T-2 (4)	100	102				
890-9297-12	T-3 (0-1)	101	104				

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Surrogate Summary

Client: Carmona Resources

Job ID: 890-9297-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-9297-13	T-3 (1.5)	215 S1+	214 S1+
890-9297-14	T-3 (2)	110	111
890-9297-15	T-3 (3)	110	110
890-9297-16	T-3 (4)	109	106
890-9297-17	T-3 (5)	110	110
LCS 880-127884/2-A	Lab Control Sample	115	111
LCS 880-127964/2-A	Lab Control Sample	105	103
LCSD 880-127884/3-A	Lab Control Sample Dup	116	109
LCSD 880-127964/3-A	Lab Control Sample Dup	106	100
MB 880-127884/1-A	Method Blank	105	106
MB 880-127964/1-A	Method Blank	99	104
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-127805/5-A

Matrix: Solid

Analysis Batch: 127953

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 127805

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/29/25 09:00	12/31/25 10:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/25 09:00	12/31/25 10:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/25 09:00	12/31/25 10:12	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		12/29/25 09:00	12/31/25 10:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/25 09:00	12/31/25 10:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/29/25 09:00	12/31/25 10:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	12/29/25 09:00	12/31/25 10:12	1
1,4-Difluorobenzene (Surr)	94		70 - 130	12/29/25 09:00	12/31/25 10:12	1

Lab Sample ID: MB 880-127988/5-A

Matrix: Solid

Analysis Batch: 127953

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 127988

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/31/25 10:12	12/31/25 21:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/31/25 10:12	12/31/25 21:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/31/25 10:12	12/31/25 21:08	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		12/31/25 10:12	12/31/25 21:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/31/25 10:12	12/31/25 21:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/31/25 10:12	12/31/25 21:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	12/31/25 10:12	12/31/25 21:08	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/31/25 10:12	12/31/25 21:08	1

Lab Sample ID: LCS 880-127988/1-A

Matrix: Solid

Analysis Batch: 127953

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127988

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1181		mg/Kg		118	70 - 130
Toluene	0.100	0.1111		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1153		mg/Kg		115	70 - 130
m,p-Xylenes	0.200	0.2356		mg/Kg		118	70 - 130
o-Xylene	0.100	0.1206		mg/Kg		121	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-127988/2-A

Matrix: Solid

Analysis Batch: 127953

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 127988

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1104		mg/Kg		110	70 - 130	7	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCSD 880-127988/2-A

Matrix: Solid

Analysis Batch: 127953

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 127988

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1097		mg/Kg		110	70 - 130	1	35
Ethylbenzene	0.100	0.1175		mg/Kg		117	70 - 130	2	35
m,p-Xylenes	0.200	0.2298		mg/Kg		115	70 - 130	2	35
o-Xylene	0.100	0.1174		mg/Kg		117	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-9297-1 MS

Matrix: Solid

Analysis Batch: 127953

Client Sample ID: T-1 (0-1)

Prep Type: Total/NA

Prep Batch: 127988

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1006		mg/Kg		99	70 - 130
Toluene	<0.00200	U	0.100	0.1011		mg/Kg		101	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1120		mg/Kg		112	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.2128		mg/Kg		106	70 - 130
o-Xylene	<0.00200	U	0.100	0.1076		mg/Kg		108	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-9297-1 MSD

Matrix: Solid

Analysis Batch: 127953

Client Sample ID: T-1 (0-1)

Prep Type: Total/NA

Prep Batch: 127988

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	0.1111		mg/Kg		110	70 - 130	10	35
Toluene	<0.00200	U	0.100	0.1088		mg/Kg		109	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.100	0.1194		mg/Kg		119	70 - 130	6	35
m,p-Xylenes	<0.00399	U	0.200	0.2342		mg/Kg		117	70 - 130	10	35
o-Xylene	<0.00200	U	0.100	0.1158		mg/Kg		116	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

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

Lab Sample ID: MB 880-127884/1-A

Matrix: Solid

Analysis Batch: 128174

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 127884

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/30/25 08:18	01/05/26 08:55	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1
SDG: Eddy County New Mexico

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

Lab Sample ID: MB 880-127884/1-A

Matrix: Solid

Analysis Batch: 128174

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 127884

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/30/25 08:18	01/05/26 08:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/30/25 08:18	01/05/26 08:55	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130				12/30/25 08:18	01/05/26 08:55	1
o-Terphenyl (Surr)	106		70 - 130				12/30/25 08:18	01/05/26 08:55	1

Lab Sample ID: LCS 880-127884/2-A

Matrix: Solid

Analysis Batch: 128174

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127884

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	934.0		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1153		mg/Kg		115	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	115		70 - 130				
o-Terphenyl (Surr)	111		70 - 130				

Lab Sample ID: LCSD 880-127884/3-A

Matrix: Solid

Analysis Batch: 128174

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 127884

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	938.5		mg/Kg		94	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1164		mg/Kg		116	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	116		70 - 130						
o-Terphenyl (Surr)	109		70 - 130						

Lab Sample ID: 890-9293-A-4-E MS

Matrix: Solid

Analysis Batch: 128174

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 127884

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	964.5		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	824.3		mg/Kg		81	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane (Surr)	130		70 - 130						
o-Terphenyl (Surr)	119		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 890-9293-A-4-F MSD

Matrix: Solid

Analysis Batch: 128174

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 127884

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	954.0		mg/Kg		95	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	824.1		mg/Kg		81	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	129		70 - 130								
o-Terphenyl (Surr)	118		70 - 130								

Lab Sample ID: MB 880-127964/1-A

Matrix: Solid

Analysis Batch: 128176

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 127964

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/31/25 08:48	01/05/26 08:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/31/25 08:48	01/05/26 08:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/31/25 08:48	01/05/26 08:55	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130				12/31/25 08:48	01/05/26 08:55	1
o-Terphenyl (Surr)	104		70 - 130				12/31/25 08:48	01/05/26 08:55	1

Lab Sample ID: LCS 880-127964/2-A

Matrix: Solid

Analysis Batch: 128176

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127964

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	771.0		mg/Kg		77	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1294		mg/Kg		129	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane (Surr)	105		70 - 130						
o-Terphenyl (Surr)	103		70 - 130						

Lab Sample ID: LCSD 880-127964/3-A

Matrix: Solid

Analysis Batch: 128176

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 127964

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	786.9		mg/Kg		79	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1281		mg/Kg		128	70 - 130	1	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCSD 880-127964/3-A

Matrix: Solid

Analysis Batch: 128176

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 127964

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	106		70 - 130
o-Terphenyl (Surr)	100		70 - 130

Lab Sample ID: 890-9293-A-15-C MS

Matrix: Solid

Analysis Batch: 128176

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 127964

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	821.6		mg/Kg		82	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	973.7		mg/Kg		97	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane (Surr)	123		70 - 130							
o-Terphenyl (Surr)	111		70 - 130							

Lab Sample ID: 890-9293-A-15-D MSD

Matrix: Solid

Analysis Batch: 128176

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 127964

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	821.2		mg/Kg		82	70 - 130	0	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	968.8		mg/Kg		97	70 - 130	1	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane (Surr)	122		70 - 130									
o-Terphenyl (Surr)	107		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-127995/1-A

Matrix: Solid

Analysis Batch: 128003

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<10.0	U	10.0		mg/Kg			12/31/25 17:18	1	

Lab Sample ID: LCS 880-127995/2-A

Matrix: Solid

Analysis Batch: 128003

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	260.1		mg/Kg		104	90 - 110		

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1
SDG: Eddy County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-127995/3-A

Matrix: Solid

Analysis Batch: 128003

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	256.7		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 890-9297-1 MS

Matrix: Solid

Analysis Batch: 128003

Client Sample ID: T-1 (0-1)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	112		1240	1315		mg/Kg		97	90 - 110		

Lab Sample ID: 890-9297-1 MSD

Matrix: Solid

Analysis Batch: 128003

Client Sample ID: T-1 (0-1)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	112		1240	1336		mg/Kg		99	90 - 110	2	20

Lab Sample ID: 890-9297-11 MS

Matrix: Solid

Analysis Batch: 128003

Client Sample ID: T-2 (4)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	26.0		252	288.9		mg/Kg		105	90 - 110		

Lab Sample ID: 890-9297-11 MSD

Matrix: Solid

Analysis Batch: 128003

Client Sample ID: T-2 (4)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	26.0		252	285.4		mg/Kg		103	90 - 110	1	20

QC Association Summary

Client: Carmona Resources

Job ID: 890-9297-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

GC VOA

Prep Batch: 127805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-127805/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 127953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9297-1	T-1 (0-1)	Total/NA	Solid	8021B	127988
890-9297-2	T-1 (1.5)	Total/NA	Solid	8021B	127988
890-9297-3	T-1 (2)	Total/NA	Solid	8021B	127988
890-9297-4	T-1 (3)	Total/NA	Solid	8021B	127988
890-9297-5	T-1 (4)	Total/NA	Solid	8021B	127988
890-9297-6	T-1 (5)	Total/NA	Solid	8021B	127988
890-9297-7	T-2 (0-1)	Total/NA	Solid	8021B	127988
890-9297-8	T-2 (1.5)	Total/NA	Solid	8021B	127988
890-9297-9	T-2 (2)	Total/NA	Solid	8021B	127988
890-9297-10	T-2 (3)	Total/NA	Solid	8021B	127988
890-9297-11	T-2 (4)	Total/NA	Solid	8021B	127988
890-9297-12	T-3 (0-1)	Total/NA	Solid	8021B	127988
890-9297-13	T-3 (1.5)	Total/NA	Solid	8021B	127988
890-9297-14	T-3 (2)	Total/NA	Solid	8021B	127988
890-9297-15	T-3 (3)	Total/NA	Solid	8021B	127988
890-9297-16	T-3 (4)	Total/NA	Solid	8021B	127988
890-9297-17	T-3 (5)	Total/NA	Solid	8021B	127988
MB 880-127805/5-A	Method Blank	Total/NA	Solid	8021B	127805
MB 880-127988/5-A	Method Blank	Total/NA	Solid	8021B	127988
LCS 880-127988/1-A	Lab Control Sample	Total/NA	Solid	8021B	127988
LCSD 880-127988/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	127988
890-9297-1 MS	T-1 (0-1)	Total/NA	Solid	8021B	127988
890-9297-1 MSD	T-1 (0-1)	Total/NA	Solid	8021B	127988

Prep Batch: 127988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9297-1	T-1 (0-1)	Total/NA	Solid	5035	
890-9297-2	T-1 (1.5)	Total/NA	Solid	5035	
890-9297-3	T-1 (2)	Total/NA	Solid	5035	
890-9297-4	T-1 (3)	Total/NA	Solid	5035	
890-9297-5	T-1 (4)	Total/NA	Solid	5035	
890-9297-6	T-1 (5)	Total/NA	Solid	5035	
890-9297-7	T-2 (0-1)	Total/NA	Solid	5035	
890-9297-8	T-2 (1.5)	Total/NA	Solid	5035	
890-9297-9	T-2 (2)	Total/NA	Solid	5035	
890-9297-10	T-2 (3)	Total/NA	Solid	5035	
890-9297-11	T-2 (4)	Total/NA	Solid	5035	
890-9297-12	T-3 (0-1)	Total/NA	Solid	5035	
890-9297-13	T-3 (1.5)	Total/NA	Solid	5035	
890-9297-14	T-3 (2)	Total/NA	Solid	5035	
890-9297-15	T-3 (3)	Total/NA	Solid	5035	
890-9297-16	T-3 (4)	Total/NA	Solid	5035	
890-9297-17	T-3 (5)	Total/NA	Solid	5035	
MB 880-127988/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-127988/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-127988/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9297-1 MS	T-1 (0-1)	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources

Job ID: 890-9297-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

GC VOA (Continued)

Prep Batch: 127988 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9297-1 MSD	T-1 (0-1)	Total/NA	Solid	5035	

Analysis Batch: 128098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9297-1	T-1 (0-1)	Total/NA	Solid	Total BTEX	
890-9297-2	T-1 (1.5)	Total/NA	Solid	Total BTEX	
890-9297-3	T-1 (2)	Total/NA	Solid	Total BTEX	
890-9297-4	T-1 (3)	Total/NA	Solid	Total BTEX	
890-9297-5	T-1 (4)	Total/NA	Solid	Total BTEX	
890-9297-6	T-1 (5)	Total/NA	Solid	Total BTEX	
890-9297-7	T-2 (0-1)	Total/NA	Solid	Total BTEX	
890-9297-8	T-2 (1.5)	Total/NA	Solid	Total BTEX	
890-9297-9	T-2 (2)	Total/NA	Solid	Total BTEX	
890-9297-10	T-2 (3)	Total/NA	Solid	Total BTEX	
890-9297-11	T-2 (4)	Total/NA	Solid	Total BTEX	
890-9297-12	T-3 (0-1)	Total/NA	Solid	Total BTEX	
890-9297-13	T-3 (1.5)	Total/NA	Solid	Total BTEX	
890-9297-14	T-3 (2)	Total/NA	Solid	Total BTEX	
890-9297-15	T-3 (3)	Total/NA	Solid	Total BTEX	
890-9297-16	T-3 (4)	Total/NA	Solid	Total BTEX	
890-9297-17	T-3 (5)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 127884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9297-15	T-3 (3)	Total/NA	Solid	8015NM Prep	
890-9297-16	T-3 (4)	Total/NA	Solid	8015NM Prep	
890-9297-17	T-3 (5)	Total/NA	Solid	8015NM Prep	
MB 880-127884/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-127884/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-127884/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9293-A-4-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-9293-A-4-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 127964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9297-1	T-1 (0-1)	Total/NA	Solid	8015NM Prep	
890-9297-2	T-1 (1.5)	Total/NA	Solid	8015NM Prep	
890-9297-3	T-1 (2)	Total/NA	Solid	8015NM Prep	
890-9297-4	T-1 (3)	Total/NA	Solid	8015NM Prep	
890-9297-5	T-1 (4)	Total/NA	Solid	8015NM Prep	
890-9297-6	T-1 (5)	Total/NA	Solid	8015NM Prep	
890-9297-7	T-2 (0-1)	Total/NA	Solid	8015NM Prep	
890-9297-8	T-2 (1.5)	Total/NA	Solid	8015NM Prep	
890-9297-9	T-2 (2)	Total/NA	Solid	8015NM Prep	
890-9297-10	T-2 (3)	Total/NA	Solid	8015NM Prep	
890-9297-11	T-2 (4)	Total/NA	Solid	8015NM Prep	
890-9297-12	T-3 (0-1)	Total/NA	Solid	8015NM Prep	
890-9297-13	T-3 (1.5)	Total/NA	Solid	8015NM Prep	
890-9297-14	T-3 (2)	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources

Job ID: 890-9297-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

GC Semi VOA (Continued)

Prep Batch: 127964 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-127964/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-127964/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-127964/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9293-A-15-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-9293-A-15-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 128174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9297-15	T-3 (3)	Total/NA	Solid	8015B NM	127884
890-9297-16	T-3 (4)	Total/NA	Solid	8015B NM	127884
890-9297-17	T-3 (5)	Total/NA	Solid	8015B NM	127884
MB 880-127884/1-A	Method Blank	Total/NA	Solid	8015B NM	127884
LCS 880-127884/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	127884
LCSD 880-127884/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	127884
890-9293-A-4-E MS	Matrix Spike	Total/NA	Solid	8015B NM	127884
890-9293-A-4-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	127884

Analysis Batch: 128176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9297-1	T-1 (0-1)	Total/NA	Solid	8015B NM	127964
890-9297-2	T-1 (1.5)	Total/NA	Solid	8015B NM	127964
890-9297-3	T-1 (2)	Total/NA	Solid	8015B NM	127964
890-9297-4	T-1 (3)	Total/NA	Solid	8015B NM	127964
890-9297-5	T-1 (4)	Total/NA	Solid	8015B NM	127964
890-9297-6	T-1 (5)	Total/NA	Solid	8015B NM	127964
890-9297-7	T-2 (0-1)	Total/NA	Solid	8015B NM	127964
890-9297-8	T-2 (1.5)	Total/NA	Solid	8015B NM	127964
890-9297-9	T-2 (2)	Total/NA	Solid	8015B NM	127964
890-9297-10	T-2 (3)	Total/NA	Solid	8015B NM	127964
890-9297-11	T-2 (4)	Total/NA	Solid	8015B NM	127964
890-9297-12	T-3 (0-1)	Total/NA	Solid	8015B NM	127964
890-9297-13	T-3 (1.5)	Total/NA	Solid	8015B NM	127964
890-9297-14	T-3 (2)	Total/NA	Solid	8015B NM	127964
MB 880-127964/1-A	Method Blank	Total/NA	Solid	8015B NM	127964
LCS 880-127964/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	127964
LCSD 880-127964/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	127964
890-9293-A-15-C MS	Matrix Spike	Total/NA	Solid	8015B NM	127964
890-9293-A-15-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	127964

Analysis Batch: 128217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9297-1	T-1 (0-1)	Total/NA	Solid	8015 NM	
890-9297-2	T-1 (1.5)	Total/NA	Solid	8015 NM	
890-9297-3	T-1 (2)	Total/NA	Solid	8015 NM	
890-9297-4	T-1 (3)	Total/NA	Solid	8015 NM	
890-9297-5	T-1 (4)	Total/NA	Solid	8015 NM	
890-9297-6	T-1 (5)	Total/NA	Solid	8015 NM	
890-9297-7	T-2 (0-1)	Total/NA	Solid	8015 NM	
890-9297-8	T-2 (1.5)	Total/NA	Solid	8015 NM	
890-9297-9	T-2 (2)	Total/NA	Solid	8015 NM	
890-9297-10	T-2 (3)	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Carmona Resources

Job ID: 890-9297-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 128217 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9297-11	T-2 (4)	Total/NA	Solid	8015 NM	
890-9297-12	T-3 (0-1)	Total/NA	Solid	8015 NM	
890-9297-13	T-3 (1.5)	Total/NA	Solid	8015 NM	
890-9297-14	T-3 (2)	Total/NA	Solid	8015 NM	
890-9297-15	T-3 (3)	Total/NA	Solid	8015 NM	
890-9297-16	T-3 (4)	Total/NA	Solid	8015 NM	
890-9297-17	T-3 (5)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 127995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9297-1	T-1 (0-1)	Soluble	Solid	DI Leach	
890-9297-2	T-1 (1.5)	Soluble	Solid	DI Leach	
890-9297-3	T-1 (2)	Soluble	Solid	DI Leach	
890-9297-4	T-1 (3)	Soluble	Solid	DI Leach	
890-9297-5	T-1 (4)	Soluble	Solid	DI Leach	
890-9297-6	T-1 (5)	Soluble	Solid	DI Leach	
890-9297-7	T-2 (0-1)	Soluble	Solid	DI Leach	
890-9297-8	T-2 (1.5)	Soluble	Solid	DI Leach	
890-9297-9	T-2 (2)	Soluble	Solid	DI Leach	
890-9297-10	T-2 (3)	Soluble	Solid	DI Leach	
890-9297-11	T-2 (4)	Soluble	Solid	DI Leach	
890-9297-12	T-3 (0-1)	Soluble	Solid	DI Leach	
890-9297-13	T-3 (1.5)	Soluble	Solid	DI Leach	
890-9297-14	T-3 (2)	Soluble	Solid	DI Leach	
890-9297-15	T-3 (3)	Soluble	Solid	DI Leach	
890-9297-16	T-3 (4)	Soluble	Solid	DI Leach	
890-9297-17	T-3 (5)	Soluble	Solid	DI Leach	
MB 880-127995/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-127995/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-127995/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9297-1 MS	T-1 (0-1)	Soluble	Solid	DI Leach	
890-9297-1 MSD	T-1 (0-1)	Soluble	Solid	DI Leach	
890-9297-11 MS	T-2 (4)	Soluble	Solid	DI Leach	
890-9297-11 MSD	T-2 (4)	Soluble	Solid	DI Leach	

Analysis Batch: 128003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9297-1	T-1 (0-1)	Soluble	Solid	300.0	127995
890-9297-2	T-1 (1.5)	Soluble	Solid	300.0	127995
890-9297-3	T-1 (2)	Soluble	Solid	300.0	127995
890-9297-4	T-1 (3)	Soluble	Solid	300.0	127995
890-9297-5	T-1 (4)	Soluble	Solid	300.0	127995
890-9297-6	T-1 (5)	Soluble	Solid	300.0	127995
890-9297-7	T-2 (0-1)	Soluble	Solid	300.0	127995
890-9297-8	T-2 (1.5)	Soluble	Solid	300.0	127995
890-9297-9	T-2 (2)	Soluble	Solid	300.0	127995
890-9297-10	T-2 (3)	Soluble	Solid	300.0	127995
890-9297-11	T-2 (4)	Soluble	Solid	300.0	127995
890-9297-12	T-3 (0-1)	Soluble	Solid	300.0	127995

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QC Association Summary

Client: Carmona Resources

Job ID: 890-9297-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

HPLC/IC (Continued)

Analysis Batch: 128003 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9297-13	T-3 (1.5)	Soluble	Solid	300.0	127995
890-9297-14	T-3 (2)	Soluble	Solid	300.0	127995
890-9297-15	T-3 (3)	Soluble	Solid	300.0	127995
890-9297-16	T-3 (4)	Soluble	Solid	300.0	127995
890-9297-17	T-3 (5)	Soluble	Solid	300.0	127995
MB 880-127995/1-A	Method Blank	Soluble	Solid	300.0	127995
LCS 880-127995/2-A	Lab Control Sample	Soluble	Solid	300.0	127995
LCSD 880-127995/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	127995
890-9297-1 MS	T-1 (0-1)	Soluble	Solid	300.0	127995
890-9297-1 MSD	T-1 (0-1)	Soluble	Solid	300.0	127995
890-9297-11 MS	T-2 (4)	Soluble	Solid	300.0	127995
890-9297-11 MSD	T-2 (4)	Soluble	Solid	300.0	127995

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Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1
SDG: Eddy County New Mexico

Client Sample ID: T-1 (0-1)

Lab Sample ID: 890-9297-1

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

Prep 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	127988	12/31/25 10:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127953	12/31/25 21:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128098	12/31/25 21:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			128217	01/05/26 12:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10.00 mL	127964	12/31/25 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128176	01/05/26 12:14	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	127995	12/31/25 10:24	SA	EET MID
Soluble	Analysis	300.0		5			128003	12/31/25 17:39	CS	EET MID

Client Sample ID: T-1 (1.5)

Lab Sample ID: 890-9297-2

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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	127988	12/31/25 10:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127953	12/31/25 21:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128098	12/31/25 21:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			128217	01/05/26 12:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	127964	12/31/25 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128176	01/05/26 12:28	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	127995	12/31/25 10:24	SA	EET MID
Soluble	Analysis	300.0		5	0 mL	1.0 mL	128003	12/31/25 18:28	CS	EET MID

Client Sample ID: T-1 (2)

Lab Sample ID: 890-9297-3

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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	127988	12/31/25 10:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127953	12/31/25 22:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128098	12/31/25 22:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			128217	01/05/26 12:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	127964	12/31/25 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128176	01/05/26 12:42	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	127995	12/31/25 10:24	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	128003	12/31/25 18:34	CS	EET MID

Client Sample ID: T-1 (3)

Lab Sample ID: 890-9297-4

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

Prep 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	127988	12/31/25 10:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127953	12/31/25 22:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128098	12/31/25 22:31	SA	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1
SDG: Eddy County New Mexico

Client Sample ID: T-1 (3)

Date Collected: 12/30/25 00:00

Date Received: 12/30/25 16:05

Lab Sample ID: 890-9297-4

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			128217	01/05/26 12:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127964	12/31/25 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128176	01/05/26 12:56	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	127995	12/31/25 10:24	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	128003	12/31/25 18:41	CS	EET MID

Client Sample ID: T-1 (4)

Date Collected: 12/30/25 00:00

Date Received: 12/30/25 16:05

Lab Sample ID: 890-9297-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	127988	12/31/25 10:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127953	12/31/25 22:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128098	12/31/25 22:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			128217	01/05/26 13:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	127964	12/31/25 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128176	01/05/26 13:11	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	127995	12/31/25 10:24	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	128003	12/31/25 18:48	CS	EET MID

Client Sample ID: T-1 (5)

Date Collected: 12/30/25 00:00

Date Received: 12/30/25 16:05

Lab Sample ID: 890-9297-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	127988	12/31/25 10:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127953	12/31/25 23:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128098	12/31/25 23:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			128217	01/05/26 13:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	127964	12/31/25 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128176	01/05/26 13:25	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	127995	12/31/25 10:24	SA	EET MID
Soluble	Analysis	300.0		1			128003	12/31/25 19:09	CS	EET MID

Client Sample ID: T-2 (0-1)

Date Collected: 12/30/25 00:00

Date Received: 12/30/25 16:05

Lab Sample ID: 890-9297-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	127988	12/31/25 10:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127953	12/31/25 23:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128098	12/31/25 23:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			128217	01/05/26 13:40	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127964	12/31/25 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128176	01/05/26 13:40	FC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1
SDG: Eddy County New Mexico

Client Sample ID: T-2 (0-1)

Date Collected: 12/30/25 00:00

Date Received: 12/30/25 16:05

Lab Sample ID: 890-9297-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	127995	12/31/25 10:24	SA	EET MID
Soluble	Analysis	300.0		1			128003	12/31/25 19:16	CS	EET MID

Client Sample ID: T-2 (1.5)

Date Collected: 12/30/25 00:00

Date Received: 12/30/25 16:05

Lab Sample ID: 890-9297-8

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			4.96 g	5 mL	127988	12/31/25 10:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127953	12/31/25 23:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128098	12/31/25 23:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			128217	01/05/26 13:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	127964	12/31/25 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128176	01/05/26 13:54	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	127995	12/31/25 10:24	SA	EET MID
Soluble	Analysis	300.0		1			128003	12/31/25 19:23	CS	EET MID

Client Sample ID: T-2 (2)

Date Collected: 12/30/25 00:00

Date Received: 12/30/25 16:05

Lab Sample ID: 890-9297-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	127988	12/31/25 10:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127953	01/01/26 00:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128098	01/01/26 00:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			128217	01/05/26 14:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	127964	12/31/25 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128176	01/05/26 14:09	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	127995	12/31/25 10:24	SA	EET MID
Soluble	Analysis	300.0		1			128003	12/31/25 19:30	CS	EET MID

Client Sample ID: T-2 (3)

Date Collected: 12/30/25 00:00

Date Received: 12/30/25 16:05

Lab Sample ID: 890-9297-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	127988	12/31/25 10:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127953	01/01/26 00:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128098	01/01/26 00:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			128217	01/05/26 14:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127964	12/31/25 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128176	01/05/26 14:37	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	127995	12/31/25 10:24	SA	EET MID
Soluble	Analysis	300.0		1			128003	12/31/25 19:37	CS	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1
SDG: Eddy County New Mexico

Client Sample ID: T-2 (4)

Lab Sample ID: 890-9297-11

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

Prep 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	127988	12/31/25 10:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127953	01/01/26 02:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128098	01/01/26 02:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			128217	01/05/26 14:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	127964	12/31/25 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128176	01/05/26 14:51	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	127995	12/31/25 10:24	SA	EET MID
Soluble	Analysis	300.0		1			128003	12/31/25 19:44	CS	EET MID

Client Sample ID: T-3 (0-1)

Lab Sample ID: 890-9297-12

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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	127988	12/31/25 10:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127953	01/01/26 02:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128098	01/01/26 02:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			128217	01/05/26 15:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	127964	12/31/25 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128176	01/05/26 15:05	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	127995	12/31/25 10:24	SA	EET MID
Soluble	Analysis	300.0		5			128003	12/31/25 20:04	CS	EET MID

Client Sample ID: T-3 (1.5)

Lab Sample ID: 890-9297-13

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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	127988	12/31/25 10:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127953	01/01/26 02:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128098	01/01/26 02:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			128217	01/05/26 15:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127964	12/31/25 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128176	01/05/26 15:19	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	127995	12/31/25 10:24	SA	EET MID
Soluble	Analysis	300.0		1			128003	12/31/25 20:11	CS	EET MID

Client Sample ID: T-3 (2)

Lab Sample ID: 890-9297-14

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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	127988	12/31/25 10:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127953	01/01/26 03:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128098	01/01/26 03:08	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1
SDG: Eddy County New Mexico

Client Sample ID: T-3 (2)

Lab Sample ID: 890-9297-14

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

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			128217	01/05/26 15:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	127964	12/31/25 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128176	01/05/26 15:33	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	127995	12/31/25 10:24	SA	EET MID
Soluble	Analysis	300.0		1			128003	12/31/25 20:32	CS	EET MID

Client Sample ID: T-3 (3)

Lab Sample ID: 890-9297-15

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

Prep 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	127988	12/31/25 10:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127953	01/01/26 03:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128098	01/01/26 03:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			128217	01/05/26 14:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127884	12/30/25 08:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128174	01/05/26 14:51	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	127995	12/31/25 10:24	SA	EET MID
Soluble	Analysis	300.0		1			128003	12/31/25 20:39	CS	EET MID

Client Sample ID: T-3 (4)

Lab Sample ID: 890-9297-16

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

Prep 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	127988	12/31/25 10:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127953	01/01/26 03:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128098	01/01/26 03:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			128217	01/05/26 15:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	127884	12/30/25 08:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128174	01/05/26 15:05	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	127995	12/31/25 10:24	SA	EET MID
Soluble	Analysis	300.0		1			128003	12/31/25 20:46	CS	EET MID

Client Sample ID: T-3 (5)

Lab Sample ID: 890-9297-17

Date Collected: 12/30/25 00:00

Matrix: Solid

Date Received: 12/30/25 16:05

Prep 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	127988	12/31/25 10:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127953	01/01/26 04:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128098	01/01/26 04:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			128217	01/05/26 15:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	127884	12/30/25 08:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128174	01/05/26 15:19	FC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1
SDG: Eddy County New Mexico

Client Sample ID: T-3 (5)
Date Collected: 12/30/25 00:00
Date Received: 12/30/25 16:05

Lab Sample ID: 890-9297-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	127995	12/31/25 10:24	SA	EET MID
Soluble	Analysis	300.0		1			128003	12/31/25 20:53	CS	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: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1
SDG: Eddy County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 890-9297-1

SDG: Eddy County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources

Job ID: 890-9297-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
890-9297-1	T-1 (0-1)	Solid	12/30/25 00:00	12/30/25 16:05	New Mexico
890-9297-2	T-1 (1.5)	Solid	12/30/25 00:00	12/30/25 16:05	New Mexico
890-9297-3	T-1 (2)	Solid	12/30/25 00:00	12/30/25 16:05	New Mexico
890-9297-4	T-1 (3)	Solid	12/30/25 00:00	12/30/25 16:05	New Mexico
890-9297-5	T-1 (4)	Solid	12/30/25 00:00	12/30/25 16:05	New Mexico
890-9297-6	T-1 (5)	Solid	12/30/25 00:00	12/30/25 16:05	New Mexico
890-9297-7	T-2 (0-1)	Solid	12/30/25 00:00	12/30/25 16:05	New Mexico
890-9297-8	T-2 (1.5)	Solid	12/30/25 00:00	12/30/25 16:05	New Mexico
890-9297-9	T-2 (2)	Solid	12/30/25 00:00	12/30/25 16:05	New Mexico
890-9297-10	T-2 (3)	Solid	12/30/25 00:00	12/30/25 16:05	New Mexico
890-9297-11	T-2 (4)	Solid	12/30/25 00:00	12/30/25 16:05	New Mexico
890-9297-12	T-3 (0-1)	Solid	12/30/25 00:00	12/30/25 16:05	New Mexico
890-9297-13	T-3 (1.5)	Solid	12/30/25 00:00	12/30/25 16:05	New Mexico
890-9297-14	T-3 (2)	Solid	12/30/25 00:00	12/30/25 16:05	New Mexico
890-9297-15	T-3 (3)	Solid	12/30/25 00:00	12/30/25 16:05	New Mexico
890-9297-16	T-3 (4)	Solid	12/30/25 00:00	12/30/25 16:05	New Mexico
890-9297-17	T-3 (5)	Solid	12/30/25 00:00	12/30/25 16:05	New Mexico

Chain of Custody



890-9297 Chain of Custody

Page 1 of 2

Project Manager: Conner Moehring		Bill to: (if different)		Carmona Resources	
Company Name: Carmona Resources		Company Name:			
Address: 310 W Wall St Ste 500		Address:			
City, State ZIP: Midland, TX 79701		City, State ZIP:			
Phone: 432-813-6823		Email: mcarmona@carmonaresources.com			

Project Name: Copperhead 31 Federal A CTB (10.22.25)		Turn Around		Pres. Code	
Project Number: 3047		☐ Routine ☒ Rush			
Project Location: Eddy County, New Mexico		Due Date: 72 Hr TAT			
Sampler's Name: CMM					
PO #:					

ANALYSIS REQUEST										Preservative Codes
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Sample Comments
							TPH 8015M (GRO + DRO + MRO)	Chloride 300.0		
T-1 (0-1')	12/30/2025		X		G	1	X	X		None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
T-1 (1.5')	12/30/2025		X		G	1	X	X		
T-1 (2')	12/30/2025		X		G	1	X	X		
T-1 (3')	12/30/2025		X		G	1	X	X		
T-1 (4')	12/30/2025		X		G	1	X	X		
T-1 (5')	12/30/2025		X		G	1	X	X		
T-2 (0-1')	12/30/2025		X		G	1	X	X		
T-2 (1.5')	12/30/2025		X		G	1	X	X		
T-2 (2')	12/30/2025		X		G	1	X	X		
T-2 (3')	12/30/2025		X		G	1	X	X		

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

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
<i>Mike Carmona</i>		12-30-25		<i>Conner Moehring</i>		1-1-05 12:00	

Chain of Custody

Work Order No: _____

Page 2 of 2

Project Manager: Conner Moehring		Bill to: (if different)		Carmona Resources	
Company Name: Carmona Resources		Company Name:			
Address: 310 W Wall St Ste 500		Address:			
City, State ZIP: Midland, TX 79701		City, State ZIP:			
Phone: 432-813-6823		Email: mcarmona@carmonaresources.com			

Project Name: Copperhead 31 Federal A CTB (10.22.25)		Turn Around		Pres. Code	
Project Number: 3047		☐ Routine ☒ Rush			
Project Location: Eddy County, New Mexico		Due Date: 72 Hr TAT			
Sampler's Name: CMM					
PO #:					

ANALYSIS REQUEST										Preservative Codes	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	TPH 8015M (GRO + DRO + MRO)	BTEX 8021B	Chloride 300.0	Preservative Codes
T-2 (4')	12/30/2025		X		G	1		X	X	X	None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
T-3 (0-1')	12/30/2025		X		G	1		X	X	X	
T-3 (1.5')	12/30/2025		X		G	1		X	X	X	
T-3 (2')	12/30/2025		X		G	1		X	X	X	
T-3 (3')	12/30/2025		X		G	1		X	X	X	
T-3 (4')	12/30/2025		X		G	1		X	X	X	
T-3 (5')	12/30/2025		X		G	1		X	X	X	

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

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
Coke		12-30-25		Coke		12/30 4:05	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-9297-1

SDG Number: Eddy County New Mexico

Login Number: 9297

List Number: 1

Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-9297-1

SDG Number: Eddy County New Mexico

Login Number: 9297

List Number: 2

Creator: Dyal, Erica

List Source: Eurofins Midland

List Creation: 12/31/25 08:22 AM

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



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 2/18/2026 2:23:40 PM

JOB DESCRIPTION

Copperhead 31 Federal A CTB (10.22.25)
Eddy County New Mexico

JOB NUMBER

880-68265-1

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
2/18/2026 2:23:40 PM

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

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Laboratory Job ID: 880-68265-1
SDG: Eddy County New Mexico

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Definitions/Glossary

Client: Carmona Resources

Job ID: 880-68265-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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

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Case Narrative

Client: Carmona Resources
Project: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1

Job ID: 880-68265-1

Eurofins Midland

Job Narrative 880-68265-1

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

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

Receipt

The samples were received on 2/13/2026 3:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -6.0°C.

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-12 (0.25'-2') (880-68265-21), SW-14 (0.25') (880-68265-23), SW-16 (0.25') (880-68265-25) and SW-18 (2'-4') (880-68265-27). Evidence of matrix interferences is not obvious.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-131928 and analytical batch 880-132047 was outside the upper control limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-131957 and analytical batch 880-132047 was outside the upper control limits.

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

Diesel Range Organics

Method 8015B NM: Surrogate recovery for the following samples were outside the upper control limit: CS-8 (0.25') (880-68265-8) and CS-9 (0.25') (880-68265-9). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: CS-1 (4') (880-68265-1), CS-2 (2') (880-68265-2), CS-3 (2') (880-68265-3), CS-4 (2') (880-68265-4), CS-5 (2') (880-68265-5), (LCS 880-131774/2-A), (LCSD 880-131774/3-A), (880-68244-A-3-B), (880-68244-A-3-C MS) and (880-68244-A-3-D MSD). Evidence of matrix interferences is not obvious.

Method 8015B NM: The surrogate recovery for the blank associated with preparation batch 880-131774 and analytical batch 880-132062 was outside the upper control limits.

Method 8015B NM: The surrogate recovery for the blank associated with preparation batch 880-131834 and analytical batch 880-132065 was outside the upper control limits.

Method 8015B NM: Surrogate recovery for the following sample was outside the upper control limit: SW-7 (2') (880-68265-16). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following sample was outside the upper control limit: SW-18 (2'-4') (880-68265-27). 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 300.0 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-131979 and analytical batch 880-131998 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix

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Case Narrative

Client: Carmona Resources
Project: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1

Job ID: 880-68265-1 (Continued) **Eurofins Midland**

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.

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

Client Sample ID: CS-1 (4')

Lab Sample ID: 880-68265-1

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:25	02/17/26 20:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:25	02/17/26 20:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:25	02/17/26 20:44	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/16/26 11:25	02/17/26 20:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:25	02/17/26 20:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/16/26 11:25	02/17/26 20:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	02/16/26 11:25	02/17/26 20:44	1
1,4-Difluorobenzene (Surr)	113		70 - 130	02/16/26 11:25	02/17/26 20:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/17/26 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	<49.8	U	49.8		mg/Kg			02/18/26 03:22	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	<49.8	U	49.8		mg/Kg		02/13/26 14:13	02/18/26 03:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/13/26 14:13	02/18/26 03:22	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/13/26 14:13	02/18/26 03:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	127		70 - 130	02/13/26 14:13	02/18/26 03:22	1
o-Terphenyl (Surr)	134	S1+	70 - 130	02/13/26 14:13	02/18/26 03:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.5		10.1		mg/Kg			02/17/26 00:50	1

Client Sample ID: CS-2 (2')

Lab Sample ID: 880-68265-2

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:25	02/17/26 21:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:25	02/17/26 21:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:25	02/17/26 21:04	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/16/26 11:25	02/17/26 21:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:25	02/17/26 21:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/16/26 11:25	02/17/26 21:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	02/16/26 11:25	02/17/26 21:04	1
1,4-Difluorobenzene (Surr)	112		70 - 130	02/16/26 11:25	02/17/26 21:04	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

Client Sample ID: CS-2 (2')

Lab Sample ID: 880-68265-2

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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			02/17/26 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			02/18/26 03:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		02/13/26 14:13	02/18/26 03:38	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/13/26 14:13	02/18/26 03:38	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/13/26 14:13	02/18/26 03:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	135	S1+	70 - 130				02/13/26 14:13	02/18/26 03:38	1
o-Terphenyl (Surr)	145	S1+	70 - 130				02/13/26 14:13	02/18/26 03:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/17/26 01:06	1

Client Sample ID: CS-3 (2')

Lab Sample ID: 880-68265-3

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/16/26 11:25	02/17/26 21:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/16/26 11:25	02/17/26 21:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/16/26 11:25	02/17/26 21:25	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		02/16/26 11:25	02/17/26 21:25	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/16/26 11:25	02/17/26 21:25	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/16/26 11:25	02/17/26 21:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				02/16/26 11:25	02/17/26 21:25	1
1,4-Difluorobenzene (Surr)	115		70 - 130				02/16/26 11:25	02/17/26 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			02/17/26 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	<50.1	U	50.1		mg/Kg			02/18/26 03:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		02/13/26 14:13	02/18/26 03:52	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/13/26 14:13	02/18/26 03:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

Client Sample ID: CS-3 (2')

Lab Sample ID: 880-68265-3

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/13/26 14:13	02/18/26 03:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	134	S1+	70 - 130				02/13/26 14:13	02/18/26 03:52	1
o-Terphenyl (Surr)	141	S1+	70 - 130				02/13/26 14:13	02/18/26 03:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			02/17/26 01:11	1

Client Sample ID: CS-4 (2')

Lab Sample ID: 880-68265-4

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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		02/16/26 11:25	02/17/26 21:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:25	02/17/26 21:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:25	02/17/26 21:46	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/16/26 11:25	02/17/26 21:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:25	02/17/26 21:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/16/26 11:25	02/17/26 21:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				02/16/26 11:25	02/17/26 21:46	1
1,4-Difluorobenzene (Surr)	111		70 - 130				02/16/26 11:25	02/17/26 21:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/17/26 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	<49.8	U	49.8		mg/Kg			02/18/26 04:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/13/26 14:13	02/18/26 04:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/13/26 14:13	02/18/26 04:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/13/26 14:13	02/18/26 04:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	133	S1+	70 - 130				02/13/26 14:13	02/18/26 04:08	1
o-Terphenyl (Surr)	141	S1+	70 - 130				02/13/26 14:13	02/18/26 04:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			02/17/26 01:16	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-68265-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

Client Sample ID: CS-5 (2')

Lab Sample ID: 880-68265-5

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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		02/16/26 11:25	02/17/26 22:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/16/26 11:25	02/17/26 22:06	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/16/26 11:25	02/17/26 22:06	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/16/26 11:25	02/17/26 22:06	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/16/26 11:25	02/17/26 22:06	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/16/26 11:25	02/17/26 22:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	02/16/26 11:25	02/17/26 22:06	1
1,4-Difluorobenzene (Surr)	123		70 - 130	02/16/26 11:25	02/17/26 22:06	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			02/17/26 22:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/18/26 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	<49.9	U	49.9		mg/Kg		02/13/26 14:13	02/18/26 04:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/13/26 14:13	02/18/26 04:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/13/26 14:13	02/18/26 04:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	132	S1+	70 - 130	02/13/26 14:13	02/18/26 04:23	1
o-Terphenyl (Surr)	139	S1+	70 - 130	02/13/26 14:13	02/18/26 04:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.1		9.92		mg/Kg			02/17/26 13:07	1

Client Sample ID: CS-6 (0.25')

Lab Sample ID: 880-68265-6

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:25	02/17/26 22:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:25	02/17/26 22:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:25	02/17/26 22:27	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/16/26 11:25	02/17/26 22:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:25	02/17/26 22:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/16/26 11:25	02/17/26 22:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	02/16/26 11:25	02/17/26 22:27	1
1,4-Difluorobenzene (Surr)	110		70 - 130	02/16/26 11:25	02/17/26 22:27	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

Client Sample ID: CS-6 (0.25')

Lab Sample ID: 880-68265-6

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/17/26 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	<50.0	U	50.0		mg/Kg			02/18/26 04:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/13/26 14:13	02/18/26 04:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/13/26 14:13	02/18/26 04:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/13/26 14:13	02/18/26 04:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130				02/13/26 14:13	02/18/26 04:38	1
o-Terphenyl (Surr)	119		70 - 130				02/13/26 14:13	02/18/26 04:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.9		9.92		mg/Kg			02/17/26 01:33	1

Client Sample ID: CS-7 (0.25')

Lab Sample ID: 880-68265-7

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:25	02/17/26 22:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:25	02/17/26 22:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:25	02/17/26 22:48	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/16/26 11:25	02/17/26 22:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:25	02/17/26 22:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/16/26 11:25	02/17/26 22:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				02/16/26 11:25	02/17/26 22:48	1
1,4-Difluorobenzene (Surr)	114		70 - 130				02/16/26 11:25	02/17/26 22:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/17/26 22:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/18/26 04:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/13/26 14:13	02/18/26 04:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/13/26 14:13	02/18/26 04:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-68265-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

Client Sample ID: CS-7 (0.25')

Lab Sample ID: 880-68265-7

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/13/26 14:13	02/18/26 04:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130				02/13/26 14:13	02/18/26 04:53	1
o-Terphenyl (Surr)	130		70 - 130				02/13/26 14:13	02/18/26 04:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			02/17/26 01:38	1

Client Sample ID: CS-8 (0.25')

Lab Sample ID: 880-68265-8

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:25	02/17/26 23:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:25	02/17/26 23:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:25	02/17/26 23:08	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/16/26 11:25	02/17/26 23:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:25	02/17/26 23:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/16/26 11:25	02/17/26 23:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				02/16/26 11:25	02/17/26 23:08	1
1,4-Difluorobenzene (Surr)	114		70 - 130				02/16/26 11:25	02/17/26 23:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/17/26 23:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/18/26 05:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/13/26 14:13	02/18/26 05:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/13/26 14:13	02/18/26 05:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/13/26 14:13	02/18/26 05:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	138	S1+	70 - 130				02/13/26 14:13	02/18/26 05:08	1
o-Terphenyl (Surr)	146	S1+	70 - 130				02/13/26 14:13	02/18/26 05:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			02/17/26 01:43	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

Client Sample ID: CS-9 (0.25')

Lab Sample ID: 880-68265-9

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/16/26 11:25	02/17/26 23:29	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/16/26 11:25	02/17/26 23:29	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/16/26 11:25	02/17/26 23:29	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		02/16/26 11:25	02/17/26 23:29	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/16/26 11:25	02/17/26 23:29	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/16/26 11:25	02/17/26 23:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				02/16/26 11:25	02/17/26 23:29	1
1,4-Difluorobenzene (Surr)	113		70 - 130				02/16/26 11:25	02/17/26 23:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/17/26 23:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/18/26 05:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/13/26 14:13	02/18/26 05:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/13/26 14:13	02/18/26 05:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/13/26 14:13	02/18/26 05:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	127		70 - 130				02/13/26 14:13	02/18/26 05:24	1
o-Terphenyl (Surr)	133	S1+	70 - 130				02/13/26 14:13	02/18/26 05:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			02/17/26 01:49	1

Client Sample ID: SW-1 (2')

Lab Sample ID: 880-68265-10

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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		02/16/26 11:25	02/17/26 23:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:25	02/17/26 23:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:25	02/17/26 23:49	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/16/26 11:25	02/17/26 23:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:25	02/17/26 23:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/16/26 11:25	02/17/26 23:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				02/16/26 11:25	02/17/26 23:49	1
1,4-Difluorobenzene (Surr)	117		70 - 130				02/16/26 11:25	02/17/26 23:49	1

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Client Sample Results

Client: Carmona Resources

Job ID: 880-68265-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

Client Sample ID: SW-1 (2')

Lab Sample ID: 880-68265-10

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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			02/17/26 23:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/18/26 05:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/13/26 14:13	02/18/26 05:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/13/26 14:13	02/18/26 05:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/13/26 14:13	02/18/26 05:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130				02/13/26 14:13	02/18/26 05:38	1
o-Terphenyl (Surr)	127		70 - 130				02/13/26 14:13	02/18/26 05:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			02/17/26 01:54	1

Client Sample ID: SW-2 (2')

Lab Sample ID: 880-68265-11

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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		02/16/26 11:25	02/18/26 01:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/16/26 11:25	02/18/26 01:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/16/26 11:25	02/18/26 01:12	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/16/26 11:25	02/18/26 01:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/16/26 11:25	02/18/26 01:12	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/16/26 11:25	02/18/26 01:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				02/16/26 11:25	02/18/26 01:12	1
1,4-Difluorobenzene (Surr)	113		70 - 130				02/16/26 11:25	02/18/26 01:12	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			02/18/26 01:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/18/26 00:06	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		02/15/26 18:00	02/18/26 00:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/18/26 00:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-68265-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

Client Sample ID: SW-2 (2')

Lab Sample ID: 880-68265-11

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/18/26 00:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	123		70 - 130				02/15/26 18:00	02/18/26 00:06	1
o-Terphenyl (Surr)	124		70 - 130				02/15/26 18:00	02/18/26 00:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			02/17/26 01:59	1

Client Sample ID: SW-3 (2')

Lab Sample ID: 880-68265-12

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:25	02/18/26 01:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:25	02/18/26 01:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:25	02/18/26 01:33	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/16/26 11:25	02/18/26 01:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:25	02/18/26 01:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/16/26 11:25	02/18/26 01:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				02/16/26 11:25	02/18/26 01:33	1
1,4-Difluorobenzene (Surr)	112		70 - 130				02/16/26 11:25	02/18/26 01:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/18/26 01:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/18/26 00:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/15/26 18:00	02/18/26 00:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/15/26 18:00	02/18/26 00:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/15/26 18:00	02/18/26 00:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130				02/15/26 18:00	02/18/26 00:53	1
o-Terphenyl (Surr)	115		70 - 130				02/15/26 18:00	02/18/26 00:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.9		9.92		mg/Kg			02/17/26 02:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-68265-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

Client Sample ID: SW-4 (4')

Lab Sample ID: 880-68265-13

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:25	02/18/26 01:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:25	02/18/26 01:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:25	02/18/26 01:54	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/16/26 11:25	02/18/26 01:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:25	02/18/26 01:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/16/26 11:25	02/18/26 01:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	02/16/26 11:25	02/18/26 01:54	1
1,4-Difluorobenzene (Surr)	117		70 - 130	02/16/26 11:25	02/18/26 01:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/18/26 01:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/18/26 01:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/15/26 18:00	02/18/26 01:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/15/26 18:00	02/18/26 01:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/15/26 18:00	02/18/26 01:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130	02/15/26 18:00	02/18/26 01:07	1
o-Terphenyl (Surr)	124		70 - 130	02/15/26 18:00	02/18/26 01:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/17/26 02:20	1

Client Sample ID: SW-5 (4')

Lab Sample ID: 880-68265-14

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/16/26 11:25	02/18/26 02:14	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/16/26 11:25	02/18/26 02:14	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/16/26 11:25	02/18/26 02:14	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		02/16/26 11:25	02/18/26 02:14	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/16/26 11:25	02/18/26 02:14	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/16/26 11:25	02/18/26 02:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	02/16/26 11:25	02/18/26 02:14	1
1,4-Difluorobenzene (Surr)	117		70 - 130	02/16/26 11:25	02/18/26 02:14	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-68265-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

Client Sample ID: SW-5 (4')

Lab Sample ID: 880-68265-14

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/18/26 02:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			02/18/26 01:23	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	<49.5	U	49.5		mg/Kg		02/15/26 18:00	02/18/26 01:23	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		02/15/26 18:00	02/18/26 01:23	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		02/15/26 18:00	02/18/26 01:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130				02/15/26 18:00	02/18/26 01:23	1
o-Terphenyl (Surr)	101		70 - 130				02/15/26 18:00	02/18/26 01:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			02/17/26 02:36	1

Client Sample ID: SW-6 (4')

Lab Sample ID: 880-68265-15

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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		02/16/26 11:25	02/18/26 02:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/16/26 11:25	02/18/26 02:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/16/26 11:25	02/18/26 02:35	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/16/26 11:25	02/18/26 02:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/16/26 11:25	02/18/26 02:35	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/16/26 11:25	02/18/26 02:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				02/16/26 11:25	02/18/26 02:35	1
1,4-Difluorobenzene (Surr)	116		70 - 130				02/16/26 11:25	02/18/26 02:35	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			02/18/26 02:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			02/18/26 01:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		02/15/26 18:00	02/18/26 01:37	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		02/15/26 18:00	02/18/26 01:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

Client Sample ID: SW-6 (4')

Lab Sample ID: 880-68265-15

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		02/15/26 18:00	02/18/26 01:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130				02/15/26 18:00	02/18/26 01:37	1
o-Terphenyl (Surr)	120		70 - 130				02/15/26 18:00	02/18/26 01:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.7		9.96		mg/Kg			02/17/26 02:41	1

Client Sample ID: SW-7 (2')

Lab Sample ID: 880-68265-16

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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		02/16/26 11:25	02/18/26 02:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:25	02/18/26 02:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:25	02/18/26 02:55	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/16/26 11:25	02/18/26 02:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:25	02/18/26 02:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/16/26 11:25	02/18/26 02:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				02/16/26 11:25	02/18/26 02:55	1
1,4-Difluorobenzene (Surr)	114		70 - 130				02/16/26 11:25	02/18/26 02:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/18/26 02:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/18/26 01:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		02/15/26 18:00	02/18/26 01:53	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/15/26 18:00	02/18/26 01:53	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/15/26 18:00	02/18/26 01:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	129		70 - 130				02/15/26 18:00	02/18/26 01:53	1
o-Terphenyl (Surr)	133	S1+	70 - 130				02/15/26 18:00	02/18/26 01:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	256		10.0		mg/Kg			02/17/26 02:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-68265-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

Client Sample ID: SW-8 (2')

Lab Sample ID: 880-68265-17

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:25	02/18/26 03:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:25	02/18/26 03:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:25	02/18/26 03:16	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/16/26 11:25	02/18/26 03:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:25	02/18/26 03:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/16/26 11:25	02/18/26 03:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	02/16/26 11:25	02/18/26 03:16	1
1,4-Difluorobenzene (Surr)	108		70 - 130	02/16/26 11:25	02/18/26 03:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/18/26 03:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/18/26 02:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/15/26 18:00	02/18/26 02:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/15/26 18:00	02/18/26 02:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/15/26 18:00	02/18/26 02:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130	02/15/26 18:00	02/18/26 02:07	1
o-Terphenyl (Surr)	122		70 - 130	02/15/26 18:00	02/18/26 02:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			02/17/26 02:51	1

Client Sample ID: SW-9 (2')

Lab Sample ID: 880-68265-18

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:25	02/18/26 03:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:25	02/18/26 03:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:25	02/18/26 03:37	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/16/26 11:25	02/18/26 03:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:25	02/18/26 03:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/16/26 11:25	02/18/26 03:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	02/16/26 11:25	02/18/26 03:37	1
1,4-Difluorobenzene (Surr)	121		70 - 130	02/16/26 11:25	02/18/26 03:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-68265-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

Client Sample ID: SW-9 (2')

Lab Sample ID: 880-68265-18

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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			02/18/26 03:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/18/26 02:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/15/26 18:00	02/18/26 02:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/15/26 18:00	02/18/26 02:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/15/26 18:00	02/18/26 02:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	126		70 - 130	02/15/26 18:00	02/18/26 02:22	1
o-Terphenyl (Surr)	126		70 - 130	02/15/26 18:00	02/18/26 02:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	271		10.0		mg/Kg			02/17/26 13:13	1

Client Sample ID: SW-10 (2')

Lab Sample ID: 880-68265-19

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/16/26 11:25	02/18/26 03:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/16/26 11:25	02/18/26 03:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/16/26 11:25	02/18/26 03:57	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		02/16/26 11:25	02/18/26 03:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/16/26 11:25	02/18/26 03:57	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/16/26 11:25	02/18/26 03:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	02/16/26 11:25	02/18/26 03:57	1
1,4-Difluorobenzene (Surr)	118		70 - 130	02/16/26 11:25	02/18/26 03:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/18/26 03:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/18/26 02:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/18/26 02:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/18/26 02:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

Client Sample ID: SW-10 (2')

Lab Sample ID: 880-68265-19

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/18/26 02:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	123		70 - 130				02/15/26 18:00	02/18/26 02:37	1
o-Terphenyl (Surr)	120		70 - 130				02/15/26 18:00	02/18/26 02:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	292	F1	9.90		mg/Kg			02/17/26 09:23	1

Client Sample ID: SW-11 (2')

Lab Sample ID: 880-68265-20

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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		02/16/26 11:25	02/18/26 04:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:25	02/18/26 04:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:25	02/18/26 04:18	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/16/26 11:25	02/18/26 04:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:25	02/18/26 04:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/16/26 11:25	02/18/26 04:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				02/16/26 11:25	02/18/26 04:18	1
1,4-Difluorobenzene (Surr)	114		70 - 130				02/16/26 11:25	02/18/26 04:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/18/26 04:18	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			02/18/26 02:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/15/26 18:00	02/18/26 02:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/15/26 18:00	02/18/26 02:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/15/26 18:00	02/18/26 02:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130				02/15/26 18:00	02/18/26 02:52	1
o-Terphenyl (Surr)	120		70 - 130				02/15/26 18:00	02/18/26 02:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	284		10.0		mg/Kg			02/17/26 12:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

Client Sample ID: SW-12 (0.25'-2')

Lab Sample ID: 880-68265-21

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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		02/16/26 11:55	02/18/26 04:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/16/26 11:55	02/18/26 04:26	1
Ethylbenzene	0.00233		0.00198		mg/Kg		02/16/26 11:55	02/18/26 04:26	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/16/26 11:55	02/18/26 04:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/16/26 11:55	02/18/26 04:26	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/16/26 11:55	02/18/26 04:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130	02/16/26 11:55	02/18/26 04:26	1
1,4-Difluorobenzene (Surr)	116		70 - 130	02/16/26 11:55	02/18/26 04:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/18/26 04:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/18/26 03:22	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	<49.8	U	49.8		mg/Kg		02/15/26 18:00	02/18/26 03:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/15/26 18:00	02/18/26 03:22	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/15/26 18:00	02/18/26 03:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130	02/15/26 18:00	02/18/26 03:22	1
o-Terphenyl (Surr)	119		70 - 130	02/15/26 18:00	02/18/26 03:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.2		10.0		mg/Kg			02/17/26 12:07	1

Client Sample ID: SW-13 (0.25')

Lab Sample ID: 880-68265-22

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:55	02/18/26 04:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:55	02/18/26 04:46	1
Ethylbenzene	0.00215		0.00201		mg/Kg		02/16/26 11:55	02/18/26 04:46	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/16/26 11:55	02/18/26 04:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:55	02/18/26 04:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/16/26 11:55	02/18/26 04:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	02/16/26 11:55	02/18/26 04:46	1
1,4-Difluorobenzene (Surr)	99		70 - 130	02/16/26 11:55	02/18/26 04:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-68265-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

Client Sample ID: SW-13 (0.25')

Lab Sample ID: 880-68265-22

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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			02/18/26 04:46	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			02/18/26 03:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/18/26 03:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/18/26 03:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/18/26 03:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130				02/15/26 18:00	02/18/26 03:38	1
o-Terphenyl (Surr)	99		70 - 130				02/15/26 18:00	02/18/26 03:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.3		9.94		mg/Kg			02/17/26 12:13	1

Client Sample ID: SW-14 (0.25')

Lab Sample ID: 880-68265-23

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:55	02/18/26 05:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:55	02/18/26 05:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:55	02/18/26 05:07	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/16/26 11:55	02/18/26 05:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:55	02/18/26 05:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/16/26 11:55	02/18/26 05:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130				02/16/26 11:55	02/18/26 05:07	1
1,4-Difluorobenzene (Surr)	114		70 - 130				02/16/26 11:55	02/18/26 05:07	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			02/18/26 05:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/18/26 03:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/15/26 18:00	02/18/26 03:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/15/26 18:00	02/18/26 03:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

Client Sample ID: SW-14 (0.25')

Lab Sample ID: 880-68265-23

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/15/26 18:00	02/18/26 03:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	124		70 - 130				02/15/26 18:00	02/18/26 03:52	1
o-Terphenyl (Surr)	121		70 - 130				02/15/26 18:00	02/18/26 03:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.4		9.92		mg/Kg			02/17/26 12:18	1

Client Sample ID: SW-15 (0.25')

Lab Sample ID: 880-68265-24

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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		02/16/26 11:55	02/18/26 05:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:55	02/18/26 05:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:55	02/18/26 05:27	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/16/26 11:55	02/18/26 05:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:55	02/18/26 05:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/16/26 11:55	02/18/26 05:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				02/16/26 11:55	02/18/26 05:27	1
1,4-Difluorobenzene (Surr)	108		70 - 130				02/16/26 11:55	02/18/26 05:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/18/26 05:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/18/26 04:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/15/26 18:00	02/18/26 04:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/15/26 18:00	02/18/26 04:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/15/26 18:00	02/18/26 04:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130				02/15/26 18:00	02/18/26 04:08	1
o-Terphenyl (Surr)	113		70 - 130				02/15/26 18:00	02/18/26 04:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			02/17/26 12:35	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-68265-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

Client Sample ID: SW-16 (0.25')

Lab Sample ID: 880-68265-25

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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		02/16/26 11:55	02/18/26 05:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:55	02/18/26 05:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:55	02/18/26 05:47	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/16/26 11:55	02/18/26 05:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:55	02/18/26 05:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/16/26 11:55	02/18/26 05:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130	02/16/26 11:55	02/18/26 05:47	1
1,4-Difluorobenzene (Surr)	116		70 - 130	02/16/26 11:55	02/18/26 05:47	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			02/18/26 05:47	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			02/18/26 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	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/18/26 04:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/18/26 04:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/18/26 04:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	123		70 - 130	02/15/26 18:00	02/18/26 04:23	1
o-Terphenyl (Surr)	122		70 - 130	02/15/26 18:00	02/18/26 04:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.1		10.1		mg/Kg			02/17/26 12:41	1

Client Sample ID: SW-17 (0.25')

Lab Sample ID: 880-68265-26

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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		02/16/26 11:55	02/18/26 06:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:55	02/18/26 06:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:55	02/18/26 06:08	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/16/26 11:55	02/18/26 06:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:55	02/18/26 06:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/16/26 11:55	02/18/26 06:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	02/16/26 11:55	02/18/26 06:08	1
1,4-Difluorobenzene (Surr)	109		70 - 130	02/16/26 11:55	02/18/26 06:08	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-68265-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

Client Sample ID: SW-17 (0.25')

Lab Sample ID: 880-68265-26

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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			02/18/26 06:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/18/26 04:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/15/26 18:00	02/18/26 04:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/15/26 18:00	02/18/26 04:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/15/26 18:00	02/18/26 04:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130				02/15/26 18:00	02/18/26 04:38	1
o-Terphenyl (Surr)	107		70 - 130				02/15/26 18:00	02/18/26 04:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.5		10.0		mg/Kg			02/17/26 12:46	1

Client Sample ID: SW-18 (2'-4')

Lab Sample ID: 880-68265-27

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/18/26 06:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/18/26 06:28	1
Ethylbenzene	0.00290		0.00200		mg/Kg		02/16/26 11:55	02/18/26 06:28	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/16/26 11:55	02/18/26 06:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/18/26 06:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/16/26 11:55	02/18/26 06:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130				02/16/26 11:55	02/18/26 06:28	1
1,4-Difluorobenzene (Surr)	108		70 - 130				02/16/26 11:55	02/18/26 06:28	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			02/18/26 06:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/18/26 04:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/18/26 04:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/18/26 04:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

Client Sample ID: SW-18 (2'-4')
Date Collected: 02/11/26 00:00
Date Received: 02/13/26 15:10

Lab Sample ID: 880-68265-27
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/18/26 04:53	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	236	S1+	70 - 130				02/15/26 18:00	02/18/26 04:53	1	
o-Terphenyl (Surr)	229	S1+	70 - 130				02/15/26 18:00	02/18/26 04:53	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<10.1	U	10.1		mg/Kg			02/17/26 12:52	1	

Surrogate Summary

Client: Carmona Resources

Job ID: 880-68265-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-68265-1	CS-1 (4')	107	113
880-68265-1 MS	CS-1 (4')	103	110
880-68265-1 MSD	CS-1 (4')	104	116
880-68265-2	CS-2 (2')	104	112
880-68265-3	CS-3 (2')	108	115
880-68265-4	CS-4 (2')	106	111
880-68265-5	CS-5 (2')	111	123
880-68265-6	CS-6 (0.25')	104	110
880-68265-7	CS-7 (0.25')	109	114
880-68265-8	CS-8 (0.25')	107	114
880-68265-9	CS-9 (0.25')	106	113
880-68265-10	SW-1 (2')	110	117
880-68265-11	SW-2 (2')	108	113
880-68265-12	SW-3 (2')	108	112
880-68265-13	SW-4 (4')	110	117
880-68265-14	SW-5 (4')	106	117
880-68265-15	SW-6 (4')	109	116
880-68265-16	SW-7 (2')	105	114
880-68265-17	SW-8 (2')	101	108
880-68265-18	SW-9 (2')	105	121
880-68265-19	SW-10 (2')	109	118
880-68265-20	SW-11 (2')	108	114
880-68265-21	SW-12 (0.25'-2')	135 S1+	116
880-68265-22	SW-13 (0.25')	129	99
880-68265-23	SW-14 (0.25')	134 S1+	114
880-68265-24	SW-15 (0.25')	120	108
880-68265-25	SW-16 (0.25')	142 S1+	116
880-68265-26	SW-17 (0.25')	125	109
880-68265-27	SW-18 (2'-4')	144 S1+	108
880-68271-A-1-E MS	Matrix Spike	101	89
880-68271-A-1-F MSD	Matrix Spike Duplicate	121	92
LCS 880-131912/1-A	Lab Control Sample	99	110
LCS 880-131928/1-A	Lab Control Sample	115	101
LCSD 880-131912/2-A	Lab Control Sample Dup	105	115
LCSD 880-131928/2-A	Lab Control Sample Dup	115	96
MB 880-131912/5-A	Method Blank	103	110
MB 880-131928/5-A	Method Blank	252 S1+	136 S1+
MB 880-131957/5-A	Method Blank	203 S1+	109
MB 880-132051/5-A	Method Blank	100	111

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Eurofins Midland

Surrogate Summary

Client: Carmona Resources

Job ID: 880-68265-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

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)
880-68244-A-3-C MS	Matrix Spike	156 S1+	145 S1+
880-68244-A-3-D MSD	Matrix Spike Duplicate	156 S1+	145 S1+
880-68265-1	CS-1 (4')	127	134 S1+
880-68265-2	CS-2 (2')	135 S1+	145 S1+
880-68265-3	CS-3 (2')	134 S1+	141 S1+
880-68265-4	CS-4 (2')	133 S1+	141 S1+
880-68265-5	CS-5 (2')	132 S1+	139 S1+
880-68265-6	CS-6 (0.25')	112	119
880-68265-7	CS-7 (0.25')	121	130
880-68265-8	CS-8 (0.25')	138 S1+	146 S1+
880-68265-9	CS-9 (0.25')	127	133 S1+
880-68265-10	SW-1 (2')	120	127
880-68265-11	SW-2 (2')	123	124
880-68265-11 MS	SW-2 (2')	103	107
880-68265-11 MSD	SW-2 (2')	119	122
880-68265-12	SW-3 (2')	113	115
880-68265-13	SW-4 (4')	125	124
880-68265-14	SW-5 (4')	99	101
880-68265-15	SW-6 (4')	120	120
880-68265-16	SW-7 (2')	129	133 S1+
880-68265-17	SW-8 (2')	125	122
880-68265-18	SW-9 (2')	126	126
880-68265-19	SW-10 (2')	123	120
880-68265-20	SW-11 (2')	119	120
880-68265-21	SW-12 (0.25'-2')	120	119
880-68265-22	SW-13 (0.25')	99	99
880-68265-23	SW-14 (0.25')	124	121
880-68265-24	SW-15 (0.25')	115	113
880-68265-25	SW-16 (0.25')	123	122
880-68265-26	SW-17 (0.25')	110	107
880-68265-27	SW-18 (2'-4')	236 S1+	229 S1+
LCS 880-131774/2-A	Lab Control Sample	124	140 S1+
LCS 880-131834/2-A	Lab Control Sample	122	127
LCSD 880-131774/3-A	Lab Control Sample Dup	138 S1+	151 S1+
LCSD 880-131834/3-A	Lab Control Sample Dup	103	108
MB 880-131774/1-A	Method Blank	138 S1+	152 S1+
MB 880-131834/1-A	Method Blank	134 S1+	141 S1+

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

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-131912/5-A

Matrix: Solid

Analysis Batch: 132046

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 131912

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:25	02/17/26 20:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:25	02/17/26 20:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:25	02/17/26 20:22	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/16/26 11:25	02/17/26 20:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:25	02/17/26 20:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/16/26 11:25	02/17/26 20:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	02/16/26 11:25	02/17/26 20:22	1
1,4-Difluorobenzene (Surr)	110		70 - 130	02/16/26 11:25	02/17/26 20:22	1

Lab Sample ID: LCS 880-131912/1-A

Matrix: Solid

Analysis Batch: 132046

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 131912

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1065		mg/Kg		106	70 - 130
Toluene	0.100	0.09986		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.1069		mg/Kg		107	70 - 130
m,p-Xylenes	0.200	0.2041		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1020		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: LCSD 880-131912/2-A

Matrix: Solid

Analysis Batch: 132046

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 131912

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1029		mg/Kg		103	70 - 130	3	35
Toluene	0.100	0.09728		mg/Kg		97	70 - 130	3	35
Ethylbenzene	0.100	0.1007		mg/Kg		101	70 - 130	6	35
m,p-Xylenes	0.200	0.1958		mg/Kg		98	70 - 130	4	35
o-Xylene	0.100	0.09329		mg/Kg		93	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: 880-68265-1 MS

Matrix: Solid

Analysis Batch: 132046

Client Sample ID: CS-1 (4')

Prep Type: Total/NA

Prep Batch: 131912

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08467		mg/Kg		85	70 - 130
Toluene	<0.00200	U	0.100	0.07981		mg/Kg		80	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-68265-1 MS

Matrix: Solid

Analysis Batch: 132046

Client Sample ID: CS-1 (4')

Prep Type: Total/NA

Prep Batch: 131912

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08457		mg/Kg		85	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1616		mg/Kg		81	70 - 130
o-Xylene	<0.00200	U	0.100	0.07830		mg/Kg		78	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-68265-1 MSD

Matrix: Solid

Analysis Batch: 132046

Client Sample ID: CS-1 (4')

Prep Type: Total/NA

Prep Batch: 131912

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	0.1027		mg/Kg		103	70 - 130	19	35
Toluene	<0.00200	U	0.100	0.09468		mg/Kg		95	70 - 130	17	35
Ethylbenzene	<0.00200	U	0.100	0.1005		mg/Kg		100	70 - 130	17	35
m,p-Xylenes	<0.00399	U	0.200	0.1962		mg/Kg		98	70 - 130	19	35
o-Xylene	<0.00200	U	0.100	0.09356		mg/Kg		94	70 - 130	18	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	116		70 - 130

Lab Sample ID: MB 880-131928/5-A

Matrix: Solid

Analysis Batch: 132047

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 131928

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/17/26 22:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/17/26 22:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/17/26 22:22	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/16/26 11:55	02/17/26 22:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/17/26 22:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/16/26 11:55	02/17/26 22:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	252	S1+	70 - 130	02/16/26 11:55	02/17/26 22:22	1
1,4-Difluorobenzene (Surr)	136	S1+	70 - 130	02/16/26 11:55	02/17/26 22:22	1

Lab Sample ID: LCS 880-131928/1-A

Matrix: Solid

Analysis Batch: 132047

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 131928

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1153		mg/Kg		115	70 - 130
Toluene	0.100	0.1100		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.1062		mg/Kg		106	70 - 130
m,p-Xylenes	0.200	0.2372		mg/Kg		119	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCS 880-131928/1-A

Matrix: Solid

Analysis Batch: 132047

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 131928

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1213		mg/Kg		121	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-131928/2-A

Matrix: Solid

Analysis Batch: 132047

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 131928

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1090		mg/Kg		109	70 - 130	6	35
Toluene	0.100	0.09669		mg/Kg		97	70 - 130	13	35
Ethylbenzene	0.100	0.1029		mg/Kg		103	70 - 130	3	35
m,p-Xylenes	0.200	0.2534		mg/Kg		127	70 - 130	7	35
o-Xylene	0.100	0.1304		mg/Kg		130	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-68271-A-1-E MS

Matrix: Solid

Analysis Batch: 132047

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 131928

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09036		mg/Kg		90	70 - 130
Toluene	<0.00200	U	0.100	0.08462		mg/Kg		85	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.07579		mg/Kg		76	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1868		mg/Kg		93	70 - 130
o-Xylene	<0.00200	U	0.100	0.09451		mg/Kg		95	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-68271-A-1-F MSD

Matrix: Solid

Analysis Batch: 132047

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 131928

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	0.1000		mg/Kg		100	70 - 130	10	35
Toluene	<0.00200	U	0.100	0.1019		mg/Kg		102	70 - 130	19	35
Ethylbenzene	<0.00200	U	0.100	0.08281		mg/Kg		83	70 - 130	9	35
m,p-Xylenes	<0.00399	U	0.200	0.1958		mg/Kg		98	70 - 130	5	35
o-Xylene	<0.00200	U	0.100	0.1052		mg/Kg		105	70 - 130	11	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-68271-A-1-F MSD

Matrix: Solid

Analysis Batch: 132047

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 131928

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: MB 880-131957/5-A

Matrix: Solid

Analysis Batch: 132047

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 131957

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/26 13:31	02/17/26 10:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/26 13:31	02/17/26 10:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/26 13:31	02/17/26 10:43	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/16/26 13:31	02/17/26 10:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/26 13:31	02/17/26 10:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/16/26 13:31	02/17/26 10:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	203	S1+	70 - 130				02/16/26 13:31	02/17/26 10:43	1
1,4-Difluorobenzene (Surr)	109		70 - 130				02/16/26 13:31	02/17/26 10:43	1

Lab Sample ID: MB 880-132051/5-A

Matrix: Solid

Analysis Batch: 132046

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 132051

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/17/26 08:28	02/17/26 09:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/26 08:28	02/17/26 09:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/26 08:28	02/17/26 09:43	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/17/26 08:28	02/17/26 09:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/26 08:28	02/17/26 09:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/17/26 08:28	02/17/26 09:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				02/17/26 08:28	02/17/26 09:43	1
1,4-Difluorobenzene (Surr)	111		70 - 130				02/17/26 08:28	02/17/26 09:43	1

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

Lab Sample ID: MB 880-131774/1-A

Matrix: Solid

Analysis Batch: 132062

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 131774

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/13/26 14:13	02/17/26 23:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/13/26 14:13	02/17/26 23:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/13/26 14:13	02/17/26 23:06	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

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

Lab Sample ID: MB 880-131774/1-A

Matrix: Solid

Analysis Batch: 132062

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 131774

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac		
1-Chlorooctane (Surr)	138	S1+	70 - 130	02/13/26 14:13	02/17/26 23:06	1			
o-Terphenyl (Surr)	152	S1+	70 - 130	02/13/26 14:13	02/17/26 23:06	1			

Lab Sample ID: LCS 880-131774/2-A

Matrix: Solid

Analysis Batch: 132062

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 131774

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1217		mg/Kg		122	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1123		mg/Kg		112	70 - 130		

	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	124		70 - 130								
o-Terphenyl (Surr)	140	S1+	70 - 130								

Lab Sample ID: LCSD 880-131774/3-A

Matrix: Solid

Analysis Batch: 132062

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 131774

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1256		mg/Kg		126	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)			1000	1191		mg/Kg		119	70 - 130	6	20	

	LCSD	LCSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane (Surr)	138	S1+	70 - 130									
o-Terphenyl (Surr)	151	S1+	70 - 130									

Lab Sample ID: 880-68244-A-3-C MS

Matrix: Solid

Analysis Batch: 132062

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 131774

	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1000	1132		mg/Kg		113	70 - 130			
Diesel Range Organics (Over C10-C28)	235		1000	1133		mg/Kg		90	70 - 130			

	MS	MS										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane (Surr)	156	S1+	70 - 130									
o-Terphenyl (Surr)	145	S1+	70 - 130									

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-68244-A-3-D MSD

Matrix: Solid

Analysis Batch: 132062

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 131774

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1000	1145		mg/Kg		115	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	235		1000	1187		mg/Kg		95	70 - 130	5	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	156	S1+	70 - 130								
o-Terphenyl (Surr)	145	S1+	70 - 130								

Lab Sample ID: MB 880-131834/1-A

Matrix: Solid

Analysis Batch: 132065

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 131834

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		02/15/26 18:00	02/17/26 23:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/17/26 23:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/17/26 23:06	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	134	S1+	70 - 130				02/15/26 18:00	02/17/26 23:06	1
o-Terphenyl (Surr)	141	S1+	70 - 130				02/15/26 18:00	02/17/26 23:06	1

Lab Sample ID: LCS 880-131834/2-A

Matrix: Solid

Analysis Batch: 132065

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 131834

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1280		mg/Kg		128	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1192		mg/Kg		119	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane (Surr)	122		70 - 130						
o-Terphenyl (Surr)	127		70 - 130						

Lab Sample ID: LCSD 880-131834/3-A

Matrix: Solid

Analysis Batch: 132065

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 131834

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1066		mg/Kg		107	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	1000	1021		mg/Kg		102	70 - 130	15	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCSD 880-131834/3-A

Matrix: Solid

Analysis Batch: 132065

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 131834

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	103		70 - 130
o-Terphenyl (Surr)	108		70 - 130

Lab Sample ID: 880-68265-11 MS

Matrix: Solid

Analysis Batch: 132065

Client Sample ID: SW-2 (2')

Prep Type: Total/NA

Prep Batch: 131834

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	979.2		mg/Kg		98	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	999	929.0		mg/Kg		93	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane (Surr)	103		70 - 130							
o-Terphenyl (Surr)	107		70 - 130							

Lab Sample ID: 880-68265-11 MSD

Matrix: Solid

Analysis Batch: 132065

Client Sample ID: SW-2 (2')

Prep Type: Total/NA

Prep Batch: 131834

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1168		mg/Kg		117	70 - 130	18	20	
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1093		mg/Kg		109	70 - 130	16	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane (Surr)	119		70 - 130									
o-Terphenyl (Surr)	122		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-131979/1-A

Matrix: Solid

Analysis Batch: 131998

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<10.0	U	10.0		mg/Kg			02/17/26 09:06	1	

Lab Sample ID: LCS 880-131979/2-A

Matrix: Solid

Analysis Batch: 131998

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS						%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	227.5		mg/Kg		91	90 - 110			

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-131979/3-A

Matrix: Solid

Analysis Batch: 131998

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	228.6		mg/Kg		91	90 - 110	0	20

Lab Sample ID: 880-68265-19 MS

Matrix: Solid

Analysis Batch: 131998

Client Sample ID: SW-10 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	292	F1	248	509.8	F1	mg/Kg		88	90 - 110		

Lab Sample ID: 880-68265-19 MSD

Matrix: Solid

Analysis Batch: 131998

Client Sample ID: SW-10 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	292	F1	248	510.8	F1	mg/Kg		89	90 - 110	0	20

Lab Sample ID: MB 880-131978/1-A

Matrix: Solid

Analysis Batch: 132000

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			02/17/26 00:34	1

Lab Sample ID: LCS 880-131978/2-A

Matrix: Solid

Analysis Batch: 132000

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	235.7		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-131978/3-A

Matrix: Solid

Analysis Batch: 132000

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	236.3		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-68265-1 MS

Matrix: Solid

Analysis Batch: 132000

Client Sample ID: CS-1 (4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	23.5		252	256.1		mg/Kg		92	90 - 110		

Lab Sample ID: 880-68265-1 MSD

Matrix: Solid

Analysis Batch: 132000

Client Sample ID: CS-1 (4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	23.5		252	255.9		mg/Kg		92	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-68265-11 MS										Client Sample ID: SW-2 (2')			
Matrix: Solid										Prep Type: Soluble			
Analysis Batch: 132000													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	<9.92	U	248	249.8		mg/Kg		98	90 - 110				

Lab Sample ID: 880-68265-11 MSD										Client Sample ID: SW-2 (2')			
Matrix: Solid										Prep Type: Soluble			
Analysis Batch: 132000													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	<9.92	U	248	249.8		mg/Kg		98	90 - 110	0	20		

QC Association Summary

Client: Carmona Resources

Job ID: 880-68265-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

GC VOA

Prep Batch: 131912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68265-1	CS-1 (4')	Total/NA	Solid	5035	
880-68265-2	CS-2 (2')	Total/NA	Solid	5035	
880-68265-3	CS-3 (2')	Total/NA	Solid	5035	
880-68265-4	CS-4 (2')	Total/NA	Solid	5035	
880-68265-5	CS-5 (2')	Total/NA	Solid	5035	
880-68265-6	CS-6 (0.25')	Total/NA	Solid	5035	
880-68265-7	CS-7 (0.25')	Total/NA	Solid	5035	
880-68265-8	CS-8 (0.25')	Total/NA	Solid	5035	
880-68265-9	CS-9 (0.25')	Total/NA	Solid	5035	
880-68265-10	SW-1 (2')	Total/NA	Solid	5035	
880-68265-11	SW-2 (2')	Total/NA	Solid	5035	
880-68265-12	SW-3 (2')	Total/NA	Solid	5035	
880-68265-13	SW-4 (4')	Total/NA	Solid	5035	
880-68265-14	SW-5 (4')	Total/NA	Solid	5035	
880-68265-15	SW-6 (4')	Total/NA	Solid	5035	
880-68265-16	SW-7 (2')	Total/NA	Solid	5035	
880-68265-17	SW-8 (2')	Total/NA	Solid	5035	
880-68265-18	SW-9 (2')	Total/NA	Solid	5035	
880-68265-19	SW-10 (2')	Total/NA	Solid	5035	
880-68265-20	SW-11 (2')	Total/NA	Solid	5035	
MB 880-131912/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-131912/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-131912/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-68265-1 MS	CS-1 (4')	Total/NA	Solid	5035	
880-68265-1 MSD	CS-1 (4')	Total/NA	Solid	5035	

Prep Batch: 131928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68265-21	SW-12 (0.25'-2')	Total/NA	Solid	5035	
880-68265-22	SW-13 (0.25')	Total/NA	Solid	5035	
880-68265-23	SW-14 (0.25')	Total/NA	Solid	5035	
880-68265-24	SW-15 (0.25')	Total/NA	Solid	5035	
880-68265-25	SW-16 (0.25')	Total/NA	Solid	5035	
880-68265-26	SW-17 (0.25')	Total/NA	Solid	5035	
880-68265-27	SW-18 (2'-4')	Total/NA	Solid	5035	
MB 880-131928/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-131928/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-131928/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-68271-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-68271-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 131957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-131957/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 132046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68265-1	CS-1 (4')	Total/NA	Solid	8021B	131912
880-68265-2	CS-2 (2')	Total/NA	Solid	8021B	131912
880-68265-3	CS-3 (2')	Total/NA	Solid	8021B	131912
880-68265-4	CS-4 (2')	Total/NA	Solid	8021B	131912

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QC Association Summary

Client: Carmona Resources

Job ID: 880-68265-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

GC VOA (Continued)

Analysis Batch: 132046 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68265-5	CS-5 (2')	Total/NA	Solid	8021B	131912
880-68265-6	CS-6 (0.25')	Total/NA	Solid	8021B	131912
880-68265-7	CS-7 (0.25')	Total/NA	Solid	8021B	131912
880-68265-8	CS-8 (0.25')	Total/NA	Solid	8021B	131912
880-68265-9	CS-9 (0.25')	Total/NA	Solid	8021B	131912
880-68265-10	SW-1 (2')	Total/NA	Solid	8021B	131912
880-68265-11	SW-2 (2')	Total/NA	Solid	8021B	131912
880-68265-12	SW-3 (2')	Total/NA	Solid	8021B	131912
880-68265-13	SW-4 (4')	Total/NA	Solid	8021B	131912
880-68265-14	SW-5 (4')	Total/NA	Solid	8021B	131912
880-68265-15	SW-6 (4')	Total/NA	Solid	8021B	131912
880-68265-16	SW-7 (2')	Total/NA	Solid	8021B	131912
880-68265-17	SW-8 (2')	Total/NA	Solid	8021B	131912
880-68265-18	SW-9 (2')	Total/NA	Solid	8021B	131912
880-68265-19	SW-10 (2')	Total/NA	Solid	8021B	131912
880-68265-20	SW-11 (2')	Total/NA	Solid	8021B	131912
MB 880-131912/5-A	Method Blank	Total/NA	Solid	8021B	131912
MB 880-132051/5-A	Method Blank	Total/NA	Solid	8021B	132051
LCS 880-131912/1-A	Lab Control Sample	Total/NA	Solid	8021B	131912
LCSD 880-131912/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	131912
880-68265-1 MS	CS-1 (4')	Total/NA	Solid	8021B	131912
880-68265-1 MSD	CS-1 (4')	Total/NA	Solid	8021B	131912

Analysis Batch: 132047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68265-21	SW-12 (0.25'-2')	Total/NA	Solid	8021B	131928
880-68265-22	SW-13 (0.25')	Total/NA	Solid	8021B	131928
880-68265-23	SW-14 (0.25')	Total/NA	Solid	8021B	131928
880-68265-24	SW-15 (0.25')	Total/NA	Solid	8021B	131928
880-68265-25	SW-16 (0.25')	Total/NA	Solid	8021B	131928
880-68265-26	SW-17 (0.25')	Total/NA	Solid	8021B	131928
880-68265-27	SW-18 (2'-4')	Total/NA	Solid	8021B	131928
MB 880-131928/5-A	Method Blank	Total/NA	Solid	8021B	131928
MB 880-131957/5-A	Method Blank	Total/NA	Solid	8021B	131957
LCS 880-131928/1-A	Lab Control Sample	Total/NA	Solid	8021B	131928
LCSD 880-131928/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	131928
880-68271-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	131928
880-68271-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	131928

Prep Batch: 132051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-132051/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 132221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68265-1	CS-1 (4')	Total/NA	Solid	Total BTEX	
880-68265-2	CS-2 (2')	Total/NA	Solid	Total BTEX	
880-68265-3	CS-3 (2')	Total/NA	Solid	Total BTEX	
880-68265-4	CS-4 (2')	Total/NA	Solid	Total BTEX	
880-68265-5	CS-5 (2')	Total/NA	Solid	Total BTEX	
880-68265-6	CS-6 (0.25')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
 SDG: Eddy County New Mexico

GC VOA (Continued)

Analysis Batch: 132221 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68265-7	CS-7 (0.25')	Total/NA	Solid	Total BTEX	
880-68265-8	CS-8 (0.25')	Total/NA	Solid	Total BTEX	
880-68265-9	CS-9 (0.25')	Total/NA	Solid	Total BTEX	
880-68265-10	SW-1 (2')	Total/NA	Solid	Total BTEX	
880-68265-11	SW-2 (2')	Total/NA	Solid	Total BTEX	
880-68265-12	SW-3 (2')	Total/NA	Solid	Total BTEX	
880-68265-13	SW-4 (4')	Total/NA	Solid	Total BTEX	
880-68265-14	SW-5 (4')	Total/NA	Solid	Total BTEX	
880-68265-15	SW-6 (4')	Total/NA	Solid	Total BTEX	
880-68265-16	SW-7 (2')	Total/NA	Solid	Total BTEX	
880-68265-17	SW-8 (2')	Total/NA	Solid	Total BTEX	
880-68265-18	SW-9 (2')	Total/NA	Solid	Total BTEX	
880-68265-19	SW-10 (2')	Total/NA	Solid	Total BTEX	
880-68265-20	SW-11 (2')	Total/NA	Solid	Total BTEX	
880-68265-21	SW-12 (0.25'-2')	Total/NA	Solid	Total BTEX	
880-68265-22	SW-13 (0.25')	Total/NA	Solid	Total BTEX	
880-68265-23	SW-14 (0.25')	Total/NA	Solid	Total BTEX	
880-68265-24	SW-15 (0.25')	Total/NA	Solid	Total BTEX	
880-68265-25	SW-16 (0.25')	Total/NA	Solid	Total BTEX	
880-68265-26	SW-17 (0.25')	Total/NA	Solid	Total BTEX	
880-68265-27	SW-18 (2'-4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 131774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68265-1	CS-1 (4')	Total/NA	Solid	8015NM Prep	
880-68265-2	CS-2 (2')	Total/NA	Solid	8015NM Prep	
880-68265-3	CS-3 (2')	Total/NA	Solid	8015NM Prep	
880-68265-4	CS-4 (2')	Total/NA	Solid	8015NM Prep	
880-68265-5	CS-5 (2')	Total/NA	Solid	8015NM Prep	
880-68265-6	CS-6 (0.25')	Total/NA	Solid	8015NM Prep	
880-68265-7	CS-7 (0.25')	Total/NA	Solid	8015NM Prep	
880-68265-8	CS-8 (0.25')	Total/NA	Solid	8015NM Prep	
880-68265-9	CS-9 (0.25')	Total/NA	Solid	8015NM Prep	
880-68265-10	SW-1 (2')	Total/NA	Solid	8015NM Prep	
MB 880-131774/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-131774/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-131774/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-68244-A-3-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-68244-A-3-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 131834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68265-11	SW-2 (2')	Total/NA	Solid	8015NM Prep	
880-68265-12	SW-3 (2')	Total/NA	Solid	8015NM Prep	
880-68265-13	SW-4 (4')	Total/NA	Solid	8015NM Prep	
880-68265-14	SW-5 (4')	Total/NA	Solid	8015NM Prep	
880-68265-15	SW-6 (4')	Total/NA	Solid	8015NM Prep	
880-68265-16	SW-7 (2')	Total/NA	Solid	8015NM Prep	
880-68265-17	SW-8 (2')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-68265-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

GC Semi VOA (Continued)

Prep Batch: 131834 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68265-18	SW-9 (2')	Total/NA	Solid	8015NM Prep	
880-68265-19	SW-10 (2')	Total/NA	Solid	8015NM Prep	
880-68265-20	SW-11 (2')	Total/NA	Solid	8015NM Prep	
880-68265-21	SW-12 (0.25'-2')	Total/NA	Solid	8015NM Prep	
880-68265-22	SW-13 (0.25')	Total/NA	Solid	8015NM Prep	
880-68265-23	SW-14 (0.25')	Total/NA	Solid	8015NM Prep	
880-68265-24	SW-15 (0.25')	Total/NA	Solid	8015NM Prep	
880-68265-25	SW-16 (0.25')	Total/NA	Solid	8015NM Prep	
880-68265-26	SW-17 (0.25')	Total/NA	Solid	8015NM Prep	
880-68265-27	SW-18 (2'-4')	Total/NA	Solid	8015NM Prep	
MB 880-131834/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-131834/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-131834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-68265-11 MS	SW-2 (2')	Total/NA	Solid	8015NM Prep	
880-68265-11 MSD	SW-2 (2')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 132062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68265-1	CS-1 (4')	Total/NA	Solid	8015B NM	131774
880-68265-2	CS-2 (2')	Total/NA	Solid	8015B NM	131774
880-68265-3	CS-3 (2')	Total/NA	Solid	8015B NM	131774
880-68265-4	CS-4 (2')	Total/NA	Solid	8015B NM	131774
880-68265-5	CS-5 (2')	Total/NA	Solid	8015B NM	131774
880-68265-6	CS-6 (0.25')	Total/NA	Solid	8015B NM	131774
880-68265-7	CS-7 (0.25')	Total/NA	Solid	8015B NM	131774
880-68265-8	CS-8 (0.25')	Total/NA	Solid	8015B NM	131774
880-68265-9	CS-9 (0.25')	Total/NA	Solid	8015B NM	131774
880-68265-10	SW-1 (2')	Total/NA	Solid	8015B NM	131774
MB 880-131774/1-A	Method Blank	Total/NA	Solid	8015B NM	131774
LCS 880-131774/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	131774
LCSD 880-131774/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	131774
880-68244-A-3-C MS	Matrix Spike	Total/NA	Solid	8015B NM	131774
880-68244-A-3-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	131774

Analysis Batch: 132065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68265-11	SW-2 (2')	Total/NA	Solid	8015B NM	131834
880-68265-12	SW-3 (2')	Total/NA	Solid	8015B NM	131834
880-68265-13	SW-4 (4')	Total/NA	Solid	8015B NM	131834
880-68265-14	SW-5 (4')	Total/NA	Solid	8015B NM	131834
880-68265-15	SW-6 (4')	Total/NA	Solid	8015B NM	131834
880-68265-16	SW-7 (2')	Total/NA	Solid	8015B NM	131834
880-68265-17	SW-8 (2')	Total/NA	Solid	8015B NM	131834
880-68265-18	SW-9 (2')	Total/NA	Solid	8015B NM	131834
880-68265-19	SW-10 (2')	Total/NA	Solid	8015B NM	131834
880-68265-20	SW-11 (2')	Total/NA	Solid	8015B NM	131834
880-68265-21	SW-12 (0.25'-2')	Total/NA	Solid	8015B NM	131834
880-68265-22	SW-13 (0.25')	Total/NA	Solid	8015B NM	131834
880-68265-23	SW-14 (0.25')	Total/NA	Solid	8015B NM	131834
880-68265-24	SW-15 (0.25')	Total/NA	Solid	8015B NM	131834
880-68265-25	SW-16 (0.25')	Total/NA	Solid	8015B NM	131834

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-68265-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 132065 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68265-26	SW-17 (0.25')	Total/NA	Solid	8015B NM	131834
880-68265-27	SW-18 (2'-4')	Total/NA	Solid	8015B NM	131834
MB 880-131834/1-A	Method Blank	Total/NA	Solid	8015B NM	131834
LCS 880-131834/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	131834
LCSD 880-131834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	131834
880-68265-11 MS	SW-2 (2')	Total/NA	Solid	8015B NM	131834
880-68265-11 MSD	SW-2 (2')	Total/NA	Solid	8015B NM	131834

Analysis Batch: 132208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68265-1	CS-1 (4')	Total/NA	Solid	8015 NM	
880-68265-2	CS-2 (2')	Total/NA	Solid	8015 NM	
880-68265-3	CS-3 (2')	Total/NA	Solid	8015 NM	
880-68265-4	CS-4 (2')	Total/NA	Solid	8015 NM	
880-68265-5	CS-5 (2')	Total/NA	Solid	8015 NM	
880-68265-6	CS-6 (0.25')	Total/NA	Solid	8015 NM	
880-68265-7	CS-7 (0.25')	Total/NA	Solid	8015 NM	
880-68265-8	CS-8 (0.25')	Total/NA	Solid	8015 NM	
880-68265-9	CS-9 (0.25')	Total/NA	Solid	8015 NM	
880-68265-10	SW-1 (2')	Total/NA	Solid	8015 NM	
880-68265-11	SW-2 (2')	Total/NA	Solid	8015 NM	
880-68265-12	SW-3 (2')	Total/NA	Solid	8015 NM	
880-68265-13	SW-4 (4')	Total/NA	Solid	8015 NM	
880-68265-14	SW-5 (4')	Total/NA	Solid	8015 NM	
880-68265-15	SW-6 (4')	Total/NA	Solid	8015 NM	
880-68265-16	SW-7 (2')	Total/NA	Solid	8015 NM	
880-68265-17	SW-8 (2')	Total/NA	Solid	8015 NM	
880-68265-18	SW-9 (2')	Total/NA	Solid	8015 NM	
880-68265-19	SW-10 (2')	Total/NA	Solid	8015 NM	
880-68265-20	SW-11 (2')	Total/NA	Solid	8015 NM	
880-68265-21	SW-12 (0.25'-2')	Total/NA	Solid	8015 NM	
880-68265-22	SW-13 (0.25')	Total/NA	Solid	8015 NM	
880-68265-23	SW-14 (0.25')	Total/NA	Solid	8015 NM	
880-68265-24	SW-15 (0.25')	Total/NA	Solid	8015 NM	
880-68265-25	SW-16 (0.25')	Total/NA	Solid	8015 NM	
880-68265-26	SW-17 (0.25')	Total/NA	Solid	8015 NM	
880-68265-27	SW-18 (2'-4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 131978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68265-1	CS-1 (4')	Soluble	Solid	DI Leach	
880-68265-2	CS-2 (2')	Soluble	Solid	DI Leach	
880-68265-3	CS-3 (2')	Soluble	Solid	DI Leach	
880-68265-4	CS-4 (2')	Soluble	Solid	DI Leach	
880-68265-5	CS-5 (2')	Soluble	Solid	DI Leach	
880-68265-6	CS-6 (0.25')	Soluble	Solid	DI Leach	
880-68265-7	CS-7 (0.25')	Soluble	Solid	DI Leach	
880-68265-8	CS-8 (0.25')	Soluble	Solid	DI Leach	
880-68265-9	CS-9 (0.25')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

HPLC/IC (Continued)

Leach Batch: 131978 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68265-10	SW-1 (2')	Soluble	Solid	DI Leach	
880-68265-11	SW-2 (2')	Soluble	Solid	DI Leach	
880-68265-12	SW-3 (2')	Soluble	Solid	DI Leach	
880-68265-13	SW-4 (4')	Soluble	Solid	DI Leach	
880-68265-14	SW-5 (4')	Soluble	Solid	DI Leach	
880-68265-15	SW-6 (4')	Soluble	Solid	DI Leach	
880-68265-16	SW-7 (2')	Soluble	Solid	DI Leach	
880-68265-17	SW-8 (2')	Soluble	Solid	DI Leach	
880-68265-18	SW-9 (2')	Soluble	Solid	DI Leach	
MB 880-131978/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-131978/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-131978/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-68265-1 MS	CS-1 (4')	Soluble	Solid	DI Leach	
880-68265-1 MSD	CS-1 (4')	Soluble	Solid	DI Leach	
880-68265-11 MS	SW-2 (2')	Soluble	Solid	DI Leach	
880-68265-11 MSD	SW-2 (2')	Soluble	Solid	DI Leach	

Leach Batch: 131979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68265-19	SW-10 (2')	Soluble	Solid	DI Leach	
880-68265-20	SW-11 (2')	Soluble	Solid	DI Leach	
880-68265-21	SW-12 (0.25'-2')	Soluble	Solid	DI Leach	
880-68265-22	SW-13 (0.25')	Soluble	Solid	DI Leach	
880-68265-23	SW-14 (0.25')	Soluble	Solid	DI Leach	
880-68265-24	SW-15 (0.25')	Soluble	Solid	DI Leach	
880-68265-25	SW-16 (0.25')	Soluble	Solid	DI Leach	
880-68265-26	SW-17 (0.25')	Soluble	Solid	DI Leach	
880-68265-27	SW-18 (2'-4')	Soluble	Solid	DI Leach	
MB 880-131979/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-131979/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-131979/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-68265-19 MS	SW-10 (2')	Soluble	Solid	DI Leach	
880-68265-19 MSD	SW-10 (2')	Soluble	Solid	DI Leach	

Analysis Batch: 131998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68265-19	SW-10 (2')	Soluble	Solid	300.0	131979
880-68265-20	SW-11 (2')	Soluble	Solid	300.0	131979
880-68265-21	SW-12 (0.25'-2')	Soluble	Solid	300.0	131979
880-68265-22	SW-13 (0.25')	Soluble	Solid	300.0	131979
880-68265-23	SW-14 (0.25')	Soluble	Solid	300.0	131979
880-68265-24	SW-15 (0.25')	Soluble	Solid	300.0	131979
880-68265-25	SW-16 (0.25')	Soluble	Solid	300.0	131979
880-68265-26	SW-17 (0.25')	Soluble	Solid	300.0	131979
880-68265-27	SW-18 (2'-4')	Soluble	Solid	300.0	131979
MB 880-131979/1-A	Method Blank	Soluble	Solid	300.0	131979
LCS 880-131979/2-A	Lab Control Sample	Soluble	Solid	300.0	131979
LCSD 880-131979/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	131979
880-68265-19 MS	SW-10 (2')	Soluble	Solid	300.0	131979
880-68265-19 MSD	SW-10 (2')	Soluble	Solid	300.0	131979

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-68265-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

HPLC/IC

Analysis Batch: 132000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68265-1	CS-1 (4')	Soluble	Solid	300.0	131978
880-68265-2	CS-2 (2')	Soluble	Solid	300.0	131978
880-68265-3	CS-3 (2')	Soluble	Solid	300.0	131978
880-68265-4	CS-4 (2')	Soluble	Solid	300.0	131978
880-68265-5	CS-5 (2')	Soluble	Solid	300.0	131978
880-68265-6	CS-6 (0.25')	Soluble	Solid	300.0	131978
880-68265-7	CS-7 (0.25')	Soluble	Solid	300.0	131978
880-68265-8	CS-8 (0.25')	Soluble	Solid	300.0	131978
880-68265-9	CS-9 (0.25')	Soluble	Solid	300.0	131978
880-68265-10	SW-1 (2')	Soluble	Solid	300.0	131978
880-68265-11	SW-2 (2')	Soluble	Solid	300.0	131978
880-68265-12	SW-3 (2')	Soluble	Solid	300.0	131978
880-68265-13	SW-4 (4')	Soluble	Solid	300.0	131978
880-68265-14	SW-5 (4')	Soluble	Solid	300.0	131978
880-68265-15	SW-6 (4')	Soluble	Solid	300.0	131978
880-68265-16	SW-7 (2')	Soluble	Solid	300.0	131978
880-68265-17	SW-8 (2')	Soluble	Solid	300.0	131978
880-68265-18	SW-9 (2')	Soluble	Solid	300.0	131978
MB 880-131978/1-A	Method Blank	Soluble	Solid	300.0	131978
LCS 880-131978/2-A	Lab Control Sample	Soluble	Solid	300.0	131978
LCSD 880-131978/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	131978
880-68265-1 MS	CS-1 (4')	Soluble	Solid	300.0	131978
880-68265-1 MSD	CS-1 (4')	Soluble	Solid	300.0	131978
880-68265-11 MS	SW-2 (2')	Soluble	Solid	300.0	131978
880-68265-11 MSD	SW-2 (2')	Soluble	Solid	300.0	131978

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Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

Client Sample ID: CS-1 (4')

Lab Sample ID: 880-68265-1

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Prep 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	131912	02/16/26 11:25	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132046	02/17/26 20:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/17/26 20:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			132208	02/18/26 03:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	131774	02/13/26 14:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132062	02/18/26 03:22	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	131978	02/16/26 14:24	SA	EET MID
Soluble	Analysis	300.0		1			132000	02/17/26 00:50	CS	EET MID

Client Sample ID: CS-2 (2')

Lab Sample ID: 880-68265-2

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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	131912	02/16/26 11:25	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132046	02/17/26 21:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/17/26 21:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			132208	02/18/26 03:38	SA	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10.00 mL	131774	02/13/26 14:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132062	02/18/26 03:38	SA	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	131978	02/16/26 14:24	SA	EET MID
Soluble	Analysis	300.0		1			132000	02/17/26 01:06	CS	EET MID

Client Sample ID: CS-3 (2')

Lab Sample ID: 880-68265-3

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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	131912	02/16/26 11:25	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132046	02/17/26 21:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/17/26 21:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			132208	02/18/26 03:52	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	131774	02/13/26 14:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132062	02/18/26 03:52	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	131978	02/16/26 14:24	SA	EET MID
Soluble	Analysis	300.0		1			132000	02/17/26 01:11	CS	EET MID

Client Sample ID: CS-4 (2')

Lab Sample ID: 880-68265-4

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Prep 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	131912	02/16/26 11:25	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132046	02/17/26 21:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/17/26 21:46	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

Client Sample ID: CS-4 (2')

Lab Sample ID: 880-68265-4

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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			132208	02/18/26 04:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	131774	02/13/26 14:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132062	02/18/26 04:08	SA	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	131978	02/16/26 14:24	SA	EET MID
Soluble	Analysis	300.0		1			132000	02/17/26 01:16	CS	EET MID

Client Sample ID: CS-5 (2')

Lab Sample ID: 880-68265-5

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Prep 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	131912	02/16/26 11:25	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132046	02/17/26 22:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/17/26 22:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			132208	02/18/26 04:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	131774	02/13/26 14:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132062	02/18/26 04:23	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	131978	02/16/26 14:24	SA	EET MID
Soluble	Analysis	300.0		1			132000	02/17/26 13:07	CS	EET MID

Client Sample ID: CS-6 (0.25')

Lab Sample ID: 880-68265-6

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Prep 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	131912	02/16/26 11:25	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132046	02/17/26 22:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/17/26 22:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			132208	02/18/26 04:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131774	02/13/26 14:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132062	02/18/26 04:38	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	131978	02/16/26 14:24	SA	EET MID
Soluble	Analysis	300.0		1			132000	02/17/26 01:33	CS	EET MID

Client Sample ID: CS-7 (0.25')

Lab Sample ID: 880-68265-7

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Prep 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	131912	02/16/26 11:25	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132046	02/17/26 22:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/17/26 22:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			132208	02/18/26 04:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	131774	02/13/26 14:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132062	02/18/26 04:53	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

Client Sample ID: CS-7 (0.25')

Date Collected: 02/11/26 00:00

Date Received: 02/13/26 15:10

Lab Sample ID: 880-68265-7

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	131978	02/16/26 14:24	SA	EET MID
Soluble	Analysis	300.0		1			132000	02/17/26 01:38	CS	EET MID

Client Sample ID: CS-8 (0.25')

Date Collected: 02/11/26 00:00

Date Received: 02/13/26 15:10

Lab Sample ID: 880-68265-8

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			4.97 g	5 mL	131912	02/16/26 11:25	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132046	02/17/26 23:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/17/26 23:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			132208	02/18/26 05:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131774	02/13/26 14:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132062	02/18/26 05:08	SA	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	131978	02/16/26 14:24	SA	EET MID
Soluble	Analysis	300.0		1			132000	02/17/26 01:43	CS	EET MID

Client Sample ID: CS-9 (0.25')

Date Collected: 02/11/26 00:00

Date Received: 02/13/26 15:10

Lab Sample ID: 880-68265-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	131912	02/16/26 11:25	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132046	02/17/26 23:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/17/26 23:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			132208	02/18/26 05:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	131774	02/13/26 14:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132062	02/18/26 05:24	SA	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	131978	02/16/26 14:24	SA	EET MID
Soluble	Analysis	300.0		1			132000	02/17/26 01:49	CS	EET MID

Client Sample ID: SW-1 (2')

Date Collected: 02/11/26 00:00

Date Received: 02/13/26 15:10

Lab Sample ID: 880-68265-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	131912	02/16/26 11:25	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132046	02/17/26 23:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/17/26 23:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			132208	02/18/26 05:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131774	02/13/26 14:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132062	02/18/26 05:38	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	131978	02/16/26 14:24	SA	EET MID
Soluble	Analysis	300.0		1			132000	02/17/26 01:54	CS	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

Client Sample ID: SW-2 (2')

Date Collected: 02/11/26 00:00

Date Received: 02/13/26 15:10

Lab Sample ID: 880-68265-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	131912	02/16/26 11:25	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132046	02/18/26 01:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/18/26 01:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			132208	02/18/26 00:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	131834	02/15/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132065	02/18/26 00:06	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	131978	02/16/26 14:24	SA	EET MID
Soluble	Analysis	300.0		1			132000	02/17/26 01:59	CS	EET MID

Client Sample ID: SW-3 (2')

Date Collected: 02/11/26 00:00

Date Received: 02/13/26 15:10

Lab Sample ID: 880-68265-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	131912	02/16/26 11:25	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132046	02/18/26 01:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/18/26 01:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			132208	02/18/26 00:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	131834	02/15/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132065	02/18/26 00:53	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	131978	02/16/26 14:24	SA	EET MID
Soluble	Analysis	300.0		1			132000	02/17/26 02:15	CS	EET MID

Client Sample ID: SW-4 (4')

Date Collected: 02/11/26 00:00

Date Received: 02/13/26 15:10

Lab Sample ID: 880-68265-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	131912	02/16/26 11:25	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132046	02/18/26 01:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/18/26 01:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			132208	02/18/26 01:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	131834	02/15/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132065	02/18/26 01:07	SA	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	131978	02/16/26 14:24	SA	EET MID
Soluble	Analysis	300.0		1			132000	02/17/26 02:20	CS	EET MID

Client Sample ID: SW-5 (4')

Date Collected: 02/11/26 00:00

Date Received: 02/13/26 15:10

Lab Sample ID: 880-68265-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	131912	02/16/26 11:25	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132046	02/18/26 02:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/18/26 02:14	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

Client Sample ID: SW-5 (4')

Date Collected: 02/11/26 00:00

Date Received: 02/13/26 15:10

Lab Sample ID: 880-68265-14

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			132208	02/18/26 01:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10.00 mL	131834	02/15/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132065	02/18/26 01:23	SA	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	131978	02/16/26 14:24	SA	EET MID
Soluble	Analysis	300.0		1			132000	02/17/26 02:36	CS	EET MID

Client Sample ID: SW-6 (4')

Date Collected: 02/11/26 00:00

Date Received: 02/13/26 15:10

Lab Sample ID: 880-68265-15

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			5.05 g	5 mL	131912	02/16/26 11:25	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132046	02/18/26 02:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/18/26 02:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			132208	02/18/26 01:37	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	131834	02/15/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132065	02/18/26 01:37	SA	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	131978	02/16/26 14:24	SA	EET MID
Soluble	Analysis	300.0		1			132000	02/17/26 02:41	CS	EET MID

Client Sample ID: SW-7 (2')

Date Collected: 02/11/26 00:00

Date Received: 02/13/26 15:10

Lab Sample ID: 880-68265-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	131912	02/16/26 11:25	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132046	02/18/26 02:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/18/26 02:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			132208	02/18/26 01:53	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	131834	02/15/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132065	02/18/26 01:53	SA	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	131978	02/16/26 14:24	SA	EET MID
Soluble	Analysis	300.0		1			132000	02/17/26 02:46	CS	EET MID

Client Sample ID: SW-8 (2')

Date Collected: 02/11/26 00:00

Date Received: 02/13/26 15:10

Lab Sample ID: 880-68265-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	131912	02/16/26 11:25	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132046	02/18/26 03:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/18/26 03:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			132208	02/18/26 02:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	131834	02/15/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132065	02/18/26 02:07	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

Client Sample ID: SW-8 (2')

Date Collected: 02/11/26 00:00

Date Received: 02/13/26 15:10

Lab Sample ID: 880-68265-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	131978	02/16/26 14:24	SA	EET MID
Soluble	Analysis	300.0		1			132000	02/17/26 02:51	CS	EET MID

Client Sample ID: SW-9 (2')

Date Collected: 02/11/26 00:00

Date Received: 02/13/26 15:10

Lab Sample ID: 880-68265-18

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			4.98 g	5 mL	131912	02/16/26 11:25	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132046	02/18/26 03:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/18/26 03:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			132208	02/18/26 02:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	131834	02/15/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132065	02/18/26 02:22	SA	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	131978	02/16/26 14:24	SA	EET MID
Soluble	Analysis	300.0		1			132000	02/17/26 13:13	CS	EET MID

Client Sample ID: SW-10 (2')

Date Collected: 02/11/26 00:00

Date Received: 02/13/26 15:10

Lab Sample ID: 880-68265-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	131912	02/16/26 11:25	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132046	02/18/26 03:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/18/26 03:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			132208	02/18/26 02:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131834	02/15/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132065	02/18/26 02:37	SA	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	131979	02/16/26 14:26	SA	EET MID
Soluble	Analysis	300.0		1			131998	02/17/26 09:23	CS	EET MID

Client Sample ID: SW-11 (2')

Date Collected: 02/11/26 00:00

Date Received: 02/13/26 15:10

Lab Sample ID: 880-68265-20

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			5.03 g	5 mL	131912	02/16/26 11:25	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132046	02/18/26 04:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/18/26 04:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			132208	02/18/26 02:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	131834	02/15/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132065	02/18/26 02:52	SA	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	131979	02/16/26 14:26	SA	EET MID
Soluble	Analysis	300.0		1			131998	02/17/26 12:01	CS	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

Client Sample ID: SW-12 (0.25'-2')**Lab Sample ID: 880-68265-21****Date Collected: 02/11/26 00:00****Matrix: Solid****Date Received: 02/13/26 15:10**

Prep 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	131928	02/16/26 11:55	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132047	02/18/26 04:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/18/26 04:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			132208	02/18/26 03:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	131834	02/15/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132065	02/18/26 03:22	SA	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	131979	02/16/26 14:26	SA	EET MID
Soluble	Analysis	300.0		1			131998	02/17/26 12:07	CS	EET MID

Client Sample ID: SW-13 (0.25')**Lab Sample ID: 880-68265-22****Date Collected: 02/11/26 00:00****Matrix: Solid****Date Received: 02/13/26 15:10**

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	131928	02/16/26 11:55	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132047	02/18/26 04:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/18/26 04:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			132208	02/18/26 03:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131834	02/15/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132065	02/18/26 03:38	SA	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	131979	02/16/26 14:26	SA	EET MID
Soluble	Analysis	300.0		1			131998	02/17/26 12:13	CS	EET MID

Client Sample ID: SW-14 (0.25')**Lab Sample ID: 880-68265-23****Date Collected: 02/11/26 00:00****Matrix: Solid****Date Received: 02/13/26 15:10**

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	131928	02/16/26 11:55	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132047	02/18/26 05:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/18/26 05:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			132208	02/18/26 03:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	131834	02/15/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132065	02/18/26 03:52	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	131979	02/16/26 14:26	SA	EET MID
Soluble	Analysis	300.0		1			131998	02/17/26 12:18	CS	EET MID

Client Sample ID: SW-15 (0.25')**Lab Sample ID: 880-68265-24****Date Collected: 02/11/26 00:00****Matrix: Solid****Date Received: 02/13/26 15:10**

Prep 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	131928	02/16/26 11:55	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132047	02/18/26 05:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/18/26 05:27	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

Client Sample ID: SW-15 (0.25')

Lab Sample ID: 880-68265-24

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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			132208	02/18/26 04:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	131834	02/15/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132065	02/18/26 04:08	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	131979	02/16/26 14:26	SA	EET MID
Soluble	Analysis	300.0		1			131998	02/17/26 12:35	CS	EET MID

Client Sample ID: SW-16 (0.25')

Lab Sample ID: 880-68265-25

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Prep 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	131928	02/16/26 11:55	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132047	02/18/26 05:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/18/26 05:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			132208	02/18/26 04:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131834	02/15/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132065	02/18/26 04:23	SA	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	131979	02/16/26 14:26	SA	EET MID
Soluble	Analysis	300.0		1			131998	02/17/26 12:41	CS	EET MID

Client Sample ID: SW-17 (0.25')

Lab Sample ID: 880-68265-26

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Prep 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	131928	02/16/26 11:55	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132047	02/18/26 06:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/18/26 06:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			132208	02/18/26 04:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	131834	02/15/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132065	02/18/26 04:38	SA	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	131979	02/16/26 14:26	SA	EET MID
Soluble	Analysis	300.0		1			131998	02/17/26 12:46	CS	EET MID

Client Sample ID: SW-18 (2'-4')

Lab Sample ID: 880-68265-27

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Prep 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	131928	02/16/26 11:55	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132047	02/18/26 06:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132221	02/18/26 06:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			132208	02/18/26 04:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131834	02/15/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132065	02/18/26 04:53	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

Client Sample ID: SW-18 (2'-4')
Date Collected: 02/11/26 00:00
Date Received: 02/13/26 15:10

Lab Sample ID: 880-68265-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	131979	02/16/26 14:26	SA	EET MID
Soluble	Analysis	300.0		1			131998	02/17/26 12:52	CS	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: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources

Job ID: 880-68265-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68265-1
SDG: Eddy County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-68265-1	CS-1 (4')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-2	CS-2 (2')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-3	CS-3 (2')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-4	CS-4 (2')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-5	CS-5 (2')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-6	CS-6 (0.25')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-7	CS-7 (0.25')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-8	CS-8 (0.25')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-9	CS-9 (0.25')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-10	SW-1 (2')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-11	SW-2 (2')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-12	SW-3 (2')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-13	SW-4 (4')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-14	SW-5 (4')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-15	SW-6 (4')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-16	SW-7 (2')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-17	SW-8 (2')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-18	SW-9 (2')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-19	SW-10 (2')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-20	SW-11 (2')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-21	SW-12 (0.25'-2')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-22	SW-13 (0.25')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-23	SW-14 (0.25')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-24	SW-15 (0.25')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-25	SW-16 (0.25')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-26	SW-17 (0.25')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68265-27	SW-18 (2'-4')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico



880-68265 Chain of Custody

Chain of Custody

Page 1 of 3

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	lmcarmona@carmonaresources.com

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

SAMPLE RECEIPT				Turn Around				Parameters				ANALYSIS REQUEST				Preservative Codes			
Received Intact:				Temp Blank:				Thermometer ID:				Due Date:				None: NO			
Cooler Custody Seals:				Yes No				Wet Ice:				Cool: Cool				MeOH: Me			
Sample Custody Seals:				Yes No				Correction Factor:				HCL: HC				HNO ₃ : HN			
Total Containers:				Yes No				Temperature Reading:				H ₂ SO ₄ : H ₂				NaOH: Na			
				Corrected Temperature:								H ₃ PO ₄ : HP							
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0										
CS-1 (4')	2/11/2026		X		Comp	1	X	X	X										
CS-2 (2')	2/11/2026		X		Comp	1	X	X	X										
CS-3 (2')	2/11/2026		X		Comp	1	X	X	X										
CS-4 (2')	2/11/2026		X		Comp	1	X	X	X										
CS-5 (2')	2/11/2026		X		Comp	1	X	X	X										
CS-6 (0.25')	2/11/2026		X		Comp	1	X	X	X										
CS-7 (0.25')	2/11/2026		X		Comp	1	X	X	X										
CS-8 (0.25')	2/11/2026		X		Comp	1	X	X	X										
CS-9 (0.25')	2/11/2026		X		Comp	1	X	X	X										
SW-1 (2')	2/11/2026		X		Comp	1	X	X	X										

Comments: Email to Mike Carmona / lmcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Carmona Resources</i>	2/13/26	<i>Moehring</i>	2/13/26

Chain of Custody

Work Order No: 68265

Page 2 of 3

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonaresources.com

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

ANALYSIS REQUEST										Preservative Codes	
Project Name:	Project Number:	Project Location:	Sampler's Name:	PO #:	Turn Around	Pres. Code					
Copperhead 31 Federal A CTB (10.22.25)	3047	Eddy County, New Mexico	JM		☐ Routine ☒ Rush						
					Due Date:	72 HR TAT					
SAMPLE RECEIPT					Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐			
Received Intact:					Thermometer ID:						
Cooler Custody Seals:					Yes ☒ No ☐	Correction Factor:					
Sample Custody Seals:					Yes ☒ No ☐	Temperature Reading:					
Total Containers:					Corrected Temperature:						
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Sample Comments	
SW-2 (2')	2/11/2026		X		Comp	1	BTEX 8021B				
SW-3 (2')	2/11/2026		X		Comp	1	TPH 8015M (GRO + DRO + MRO)				
SW-4 (4')	2/11/2026		X		Comp	1	Chloride 300.0				
SW-5 (4')	2/11/2026		X		Comp	1					
SW-6 (4')	2/11/2026		X		Comp	1					
SW-7 (2')	2/11/2026		X		Comp	1					
SW-8 (2')	2/11/2026		X		Comp	1					
SW-9 (2')	2/11/2026		X		Comp	1					
SW-10 (2')	2/11/2026		X		Comp	1					
SW-11 (2')	2/11/2026		X		Comp	1					

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	2/13/26	<i>Viva Dyl</i>	2-13-26 150

Chain of Custody

Work Order No:

Page 3 of 3

Project Manager:	Conner Moehring		Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources		Company Name:	
Address:	310 W Wall St Ste 500		Address:	
City, State ZIP:	Midland, TX 79701		City, State ZIP:	
Phone:	432-813-6823	Email:		mcarmona@carmonaresources.com

[illegible][illegible]

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

Relinquished by: (Signature)	Date/Time	Recd
<i>Sam Brown</i>	11/13/2000	<i>Widow</i>

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-68265-1

SDG Number: Eddy County New Mexico

Login Number: 68265

List Number: 1

Creator: Lee, Randall

List Source: Eurofins Midland

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



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 2/18/2026 4:18:22 PM

JOB DESCRIPTION

Copperhead 31 Federal A CTB (10.22.25)
Eddy County New Mexico

JOB NUMBER

880-68270-1

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
2/18/2026 4:18:22 PM

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

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Laboratory Job ID: 880-68270-1
SDG: Eddy County New Mexico

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Definitions/Glossary

Client: Carmona Resources

Job ID: 880-68270-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68270-1

Job ID: 880-68270-1

Eurofins Midland

Job Narrative 880-68270-1

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

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

Receipt

The sample was received on 2/13/2026 3:10 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 -6.0°C.

GC VOA

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-132225 and analytical batch 880-132162 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: Backfill (880-68270-1), (880-68275-A-1-E), (880-68275-A-1-C MS) and (880-68275-A-1-D MSD). 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 8015B NM: The surrogate recovery for the blank associated with preparation batch 880-131834 and analytical batch 880-132065 was outside the upper control limits.

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

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: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68270-1
SDG: Eddy County New Mexico

Client Sample ID: Backfill

Lab Sample ID: 880-68270-1

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/18/26 11:38	02/18/26 14:05	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/18/26 11:38	02/18/26 14:05	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/18/26 11:38	02/18/26 14:05	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		02/18/26 11:38	02/18/26 14:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/18/26 11:38	02/18/26 14:05	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/18/26 11:38	02/18/26 14:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130	02/18/26 11:38	02/18/26 14:05	1
1,4-Difluorobenzene (Surr)	85		70 - 130	02/18/26 11:38	02/18/26 14:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/18/26 14:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/18/26 05:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		02/15/26 18:00	02/18/26 05:38	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/15/26 18:00	02/18/26 05:38	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/15/26 18:00	02/18/26 05:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130	02/15/26 18:00	02/18/26 05:38	1
o-Terphenyl (Surr)	112		70 - 130	02/15/26 18:00	02/18/26 05:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			02/17/26 13:20	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68270-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-68270-1	Backfill	144 S1+	85
880-68275-A-1-C MS	Matrix Spike	137 S1+	84
880-68275-A-1-D MSD	Matrix Spike Duplicate	132 S1+	83
LCS 880-132225/1-A	Lab Control Sample	101	81
LCSD 880-132225/2-A	Lab Control Sample Dup	99	85
MB 880-132225/5-A	Method Blank	127	84
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)
880-68265-A-11-B MS	Matrix Spike	103	107
880-68265-A-11-C MSD	Matrix Spike Duplicate	119	122
880-68270-1	Backfill	114	112
LCS 880-131834/2-A	Lab Control Sample	122	127
LCSD 880-131834/3-A	Lab Control Sample Dup	103	108
MB 880-131834/1-A	Method Blank	134 S1+	141 S1+
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68270-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-132225/5-A

Matrix: Solid

Analysis Batch: 132162

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 132225

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/18/26 07:00	02/18/26 11:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/18/26 07:00	02/18/26 11:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/18/26 07:00	02/18/26 11:20	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/18/26 07:00	02/18/26 11:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/18/26 07:00	02/18/26 11:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/18/26 07:00	02/18/26 11:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	02/18/26 07:00	02/18/26 11:20	1
1,4-Difluorobenzene (Surr)	84		70 - 130	02/18/26 07:00	02/18/26 11:20	1

Lab Sample ID: LCS 880-132225/1-A

Matrix: Solid

Analysis Batch: 132162

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 132225

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1162		mg/Kg		116	70 - 130
Toluene	0.100	0.1150		mg/Kg		115	70 - 130
Ethylbenzene	0.100	0.1127		mg/Kg		113	70 - 130
m,p-Xylenes	0.200	0.1790		mg/Kg		90	70 - 130
o-Xylene	0.100	0.09012		mg/Kg		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	81		70 - 130

Lab Sample ID: LCSD 880-132225/2-A

Matrix: Solid

Analysis Batch: 132162

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 132225

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1282		mg/Kg		128	70 - 130	10	35
Toluene	0.100	0.1159		mg/Kg		116	70 - 130	1	35
Ethylbenzene	0.100	0.1090		mg/Kg		109	70 - 130	3	35
m,p-Xylenes	0.200	0.1782		mg/Kg		89	70 - 130	0	35
o-Xylene	0.100	0.09045		mg/Kg		90	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 880-68275-A-1-C MS

Matrix: Solid

Analysis Batch: 132162

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 132225

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1111		mg/Kg		111	70 - 130
Toluene	<0.00200	U	0.100	0.09882		mg/Kg		99	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68270-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-68275-A-1-C MS

Matrix: Solid

Analysis Batch: 132162

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 132225

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F1	0.100	0.1114		mg/Kg		111	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1934		mg/Kg		97	70 - 130
o-Xylene	<0.00200	U	0.100	0.1001		mg/Kg		100	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: 880-68275-A-1-D MSD

Matrix: Solid

Analysis Batch: 132162

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 132225

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	0.1285		mg/Kg		129	70 - 130	15	35
Toluene	<0.00200	U	0.100	0.1279		mg/Kg		128	70 - 130	26	35
Ethylbenzene	<0.00200	U F1	0.100	0.1355	F1	mg/Kg		135	70 - 130	20	35
m,p-Xylenes	<0.00399	U	0.200	0.2427		mg/Kg		121	70 - 130	23	35
o-Xylene	<0.00200	U	0.100	0.1229		mg/Kg		123	70 - 130	20	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

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

Lab Sample ID: MB 880-131834/1-A

Matrix: Solid

Analysis Batch: 132065

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 131834

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		02/15/26 18:00	02/17/26 23:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/17/26 23:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/17/26 23:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	134	S1+	70 - 130	02/15/26 18:00	02/17/26 23:06	1
o-Terphenyl (Surr)	141	S1+	70 - 130	02/15/26 18:00	02/17/26 23:06	1

Lab Sample ID: LCS 880-131834/2-A

Matrix: Solid

Analysis Batch: 132065

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 131834

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1280		mg/Kg		128	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1192		mg/Kg		119	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68270-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCS 880-131834/2-A

Matrix: Solid

Analysis Batch: 132065

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 131834

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	122		70 - 130
o-Terphenyl (Surr)	127		70 - 130

Lab Sample ID: LCSD 880-131834/3-A

Matrix: Solid

Analysis Batch: 132065

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 131834

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1066		mg/Kg		107	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	1000	1021		mg/Kg		102	70 - 130	15	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	103		70 - 130
o-Terphenyl (Surr)	108		70 - 130

Lab Sample ID: 880-68265-A-11-B MS

Matrix: Solid

Analysis Batch: 132065

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 131834

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	979.2		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	929.0		mg/Kg		93	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	103		70 - 130
o-Terphenyl (Surr)	107		70 - 130

Lab Sample ID: 880-68265-A-11-C MSD

Matrix: Solid

Analysis Batch: 132065

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 131834

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1168		mg/Kg		117	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1093		mg/Kg		109	70 - 130	16	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	119		70 - 130
o-Terphenyl (Surr)	122		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68270-1
SDG: Eddy County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-131979/1-A

Matrix: Solid

Analysis Batch: 131998

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			02/17/26 09:06	1

Lab Sample ID: LCS 880-131979/2-A

Matrix: Solid

Analysis Batch: 131998

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	227.5		mg/Kg		91	90 - 110

Lab Sample ID: LCSD 880-131979/3-A

Matrix: Solid

Analysis Batch: 131998

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	228.6		mg/Kg		91	90 - 110	0	20

Lab Sample ID: 880-68269-A-1-C MS

Matrix: Solid

Analysis Batch: 131998

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	11.9		250	247.2		mg/Kg		94	90 - 110

Lab Sample ID: 880-68269-A-1-D MSD

Matrix: Solid

Analysis Batch: 131998

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	11.9		250	247.1		mg/Kg		94	90 - 110	0	20

QC Association Summary

Client: Carmona Resources

Job ID: 880-68270-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

GC VOA

Analysis Batch: 132162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68270-1	Backfill	Total/NA	Solid	8021B	132225
MB 880-132225/5-A	Method Blank	Total/NA	Solid	8021B	132225
LCS 880-132225/1-A	Lab Control Sample	Total/NA	Solid	8021B	132225
LCSD 880-132225/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	132225
880-68275-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	132225
880-68275-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	132225

Prep Batch: 132225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68270-1	Backfill	Total/NA	Solid	5035	
MB 880-132225/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-132225/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-132225/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-68275-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-68275-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 132285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68270-1	Backfill	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 131834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68270-1	Backfill	Total/NA	Solid	8015NM Prep	
MB 880-131834/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-131834/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-131834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-68265-A-11-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-68265-A-11-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 132065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68270-1	Backfill	Total/NA	Solid	8015B NM	131834
MB 880-131834/1-A	Method Blank	Total/NA	Solid	8015B NM	131834
LCS 880-131834/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	131834
LCSD 880-131834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	131834
880-68265-A-11-B MS	Matrix Spike	Total/NA	Solid	8015B NM	131834
880-68265-A-11-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	131834

Analysis Batch: 132214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68270-1	Backfill	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 131979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68270-1	Backfill	Soluble	Solid	DI Leach	
MB 880-131979/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-131979/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-131979/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68270-1
SDG: Eddy County New Mexico

HPLC/IC (Continued)

Leach Batch: 131979 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68269-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-68269-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 131998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68270-1	Backfill	Soluble	Solid	300.0	131979
MB 880-131979/1-A	Method Blank	Soluble	Solid	300.0	131979
LCS 880-131979/2-A	Lab Control Sample	Soluble	Solid	300.0	131979
LCSD 880-131979/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	131979
880-68269-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	131979
880-68269-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	131979

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68270-1
SDG: Eddy County New Mexico

Client Sample ID: Backfill
Date Collected: 02/11/26 00:00
Date Received: 02/13/26 15:10

Lab Sample ID: 880-68270-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	132225	02/18/26 11:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132162	02/18/26 14:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132285	02/18/26 14:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			132214	02/18/26 05:38	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	131834	02/15/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132065	02/18/26 05:38	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	131979	02/16/26 14:26	SA	EET MID
Soluble	Analysis	300.0		1			131998	02/17/26 13:20	CS	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68270-1
SDG: Eddy County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources

Job ID: 880-68270-1

Project/Site: Copperhead 31 Federal A CTB (10.22.25)

SDG: Eddy County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Copperhead 31 Federal A CTB (10.22.25)

Job ID: 880-68270-1
SDG: Eddy County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-68270-1	Backfill	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico

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

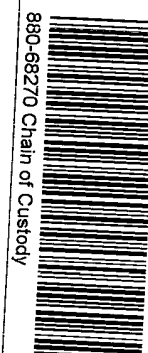
Project Manager	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address.	310 W Wall St Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	incarmona@carmonaresources.com

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

[illegible]

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>Tom Tramm</i>	2/13/2016	<i>Eric Ogh</i>	2.13.2016



880-08270 Chain of Custody

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-68270-1

SDG Number: Eddy County New Mexico

Login Number: 68270

List Source: Eurofins Midland

List Number: 1

Creator: Dyal, Erica

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

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

QUESTIONS

Action 588404

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 588404
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2529637133
Incident Name	NAPP2529637133 COPPERHEAD 31 FEDERAL A CTB @ A-30-26S-29E
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source

Please answer all the questions in this group.

Site Name	COPPERHEAD 31 FEDERAL A CTB
Date Release Discovered	10/22/2025
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Other Pump Produced Water Released: 123 BBL Recovered: 120 BBL Lost: 3 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 588404

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 588404
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jacqui Harris Title: Sr Environment Engineer Email: jacqui.harris@conocophillips.com Date: 05/26/2026
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QUESTIONS, Page 3

Action 588404

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number: 588404
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (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 ½ and 1 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
<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)	1260
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	02/09/2026
On what date will (or did) the final sampling or liner inspection occur	02/11/2026
On what date will (or was) the remediation complete(d)	02/11/2026
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	607
What is the estimated volume (in cubic yards) that will be remediated	135

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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Action 588404

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 588404
	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	fEEM0112342028 LEA LAND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jacqui Harris Title: Sr Environment Engineer Email: jacqui.harris@conocophillips.com Date: 06/11/2026
<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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Action 588404

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 588404
	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 588404

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 588404
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	551815
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/11/2026
What was the (estimated) number of samples that were to be gathered	21
What was the sampling surface area in square feet	1230

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	607
What was the total volume (cubic yards) remediated	135
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)	n/a
<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: Jacqui Harris Title: Sr Environment Engineer Email: jacqui.harris@conocophillips.com Date: 06/11/2026

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Action 588404

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 588404
	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 588404

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 588404
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Remediation closure approved. It is noted that this report was not received until 06/11/2026, but has a final due date of 01/20/2026. No request for extension was filed or requested.	6/23/2026
michael.buchanan	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	6/23/2026
michael.buchanan	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	6/23/2026
michael.buchanan	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	6/23/2026
michael.buchanan	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeded activities, inspections, and final pictures when revegetation is achieved.	6/23/2026
michael.buchanan	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	6/23/2026