

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Copperhead Fee A 003H (02.12.25)
Incident ID: nAPP2507935269
Eddy County, New Mexico
Unit E Sec 31 T26S R29E
32.000756°, -104.028599°

Produced Water Release
Point of Release: Equipment Failure on Flowline
Release Date: 02.12.2025
Volume Released: 7 Barrels of Produced Water
Volume Recovered: 0 barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Concho Operating, LLC
15 West London Road
Loving, New Mexico 88256

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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November 19, 2025

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

Re: Closure Report
Copperhead Fee A 003H (02.12.25)
Incident ID: nAPP2507935269
Concho Operating, LLC
Site Location: Unit E, S31, T26S, R29E
(Lat 32.000756°, Long -104.028599°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Copperhead Fee A 003H (02.12.25). The site is located at 32.000756, -104.028599 within Unit E, S31, 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 February 12, 2025, due to equipment failure on a flowline. The incident released approximately seven (7) barrels of produced water with zero (0) 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. The nearest identified well is located approximately 2.60 miles Northwest of the site in S27, T26S, R28E and was drilled in 2017. The well has a reported depth to groundwater of 145' below ground surface (ft bgs).

A groundwater determination bore was installed on May 9, 2022, and located approximately 0.16 miles Northwest of the release area in S31, 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 Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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



4.0 Site Assessment Activities

Initial Assessment

On March 6, 2025, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of four (4) sample points (S-1 through S-4) and six (6) horizontal sample points (H-1 through H-6) were installed to total depths ranging from surface to 3' 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 August 18, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C for the sampling notification. A total of twelve (12) confirmation floor samples were collected (CS-1 through CS-12), and twelve (12) sidewall samples (SW-1 through SW-12) 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 286 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Revegetation Activities

On August 27, 2025, the backfilled areas in the pasture were seeded via hand broadcast with the appropriate pounds of pure live seed per acre. The seed mixture used was BLM #1 seed mix. See Figure 5 for the revegetation area. See Appendix F for the Soil Survey.

7.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. NGL 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

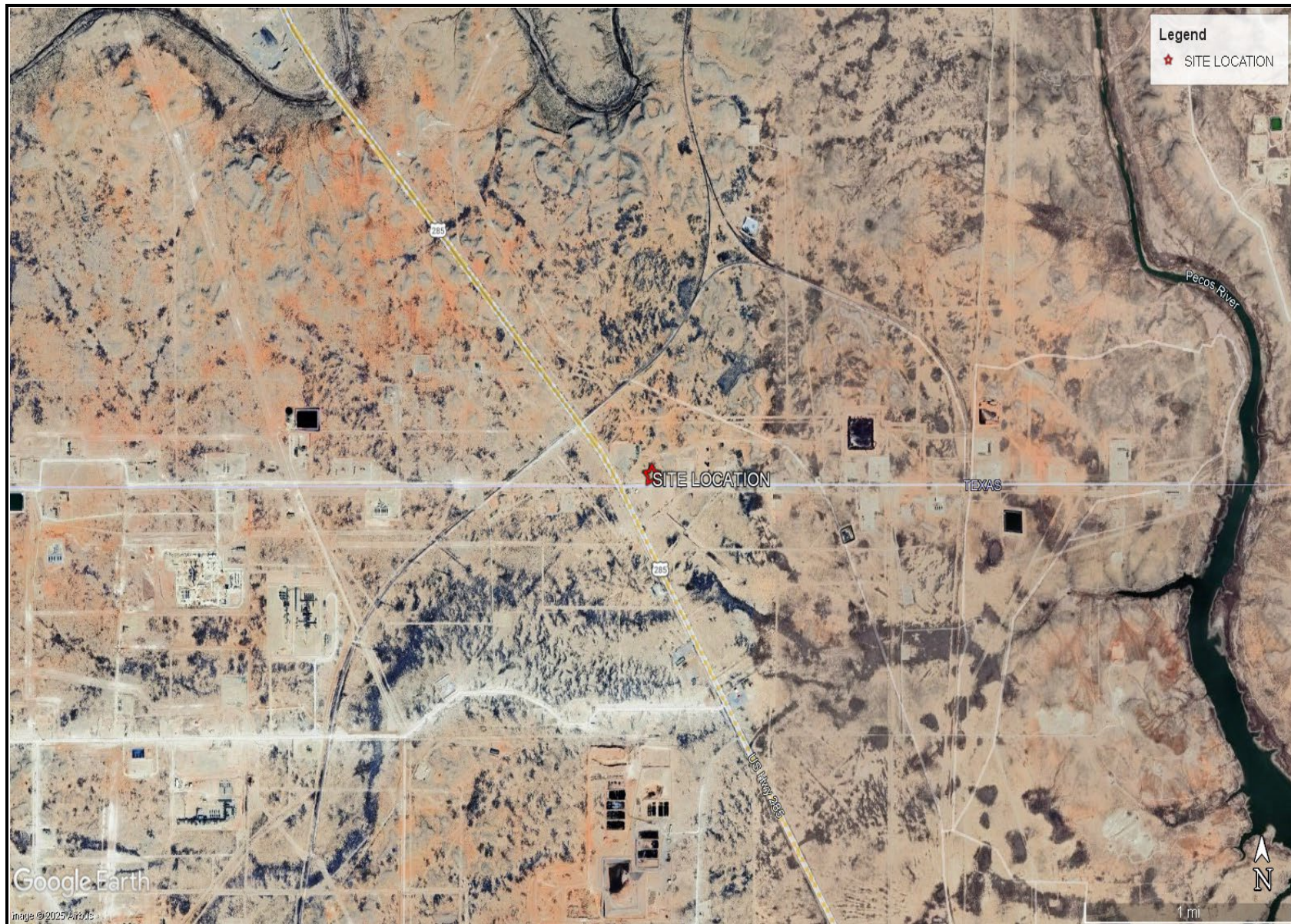
Stephen Reyes
Environmental Engineer

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

FIGURES

CARMONA RESOURCES





OVERVIEW MAP
COG OPERATING, LLC
COPPERHEAD FEE A 003H (02.12.25)
EDDY COUNTY, NEW MEXICO
32.000756°, -104.028599°



FIGURE 1

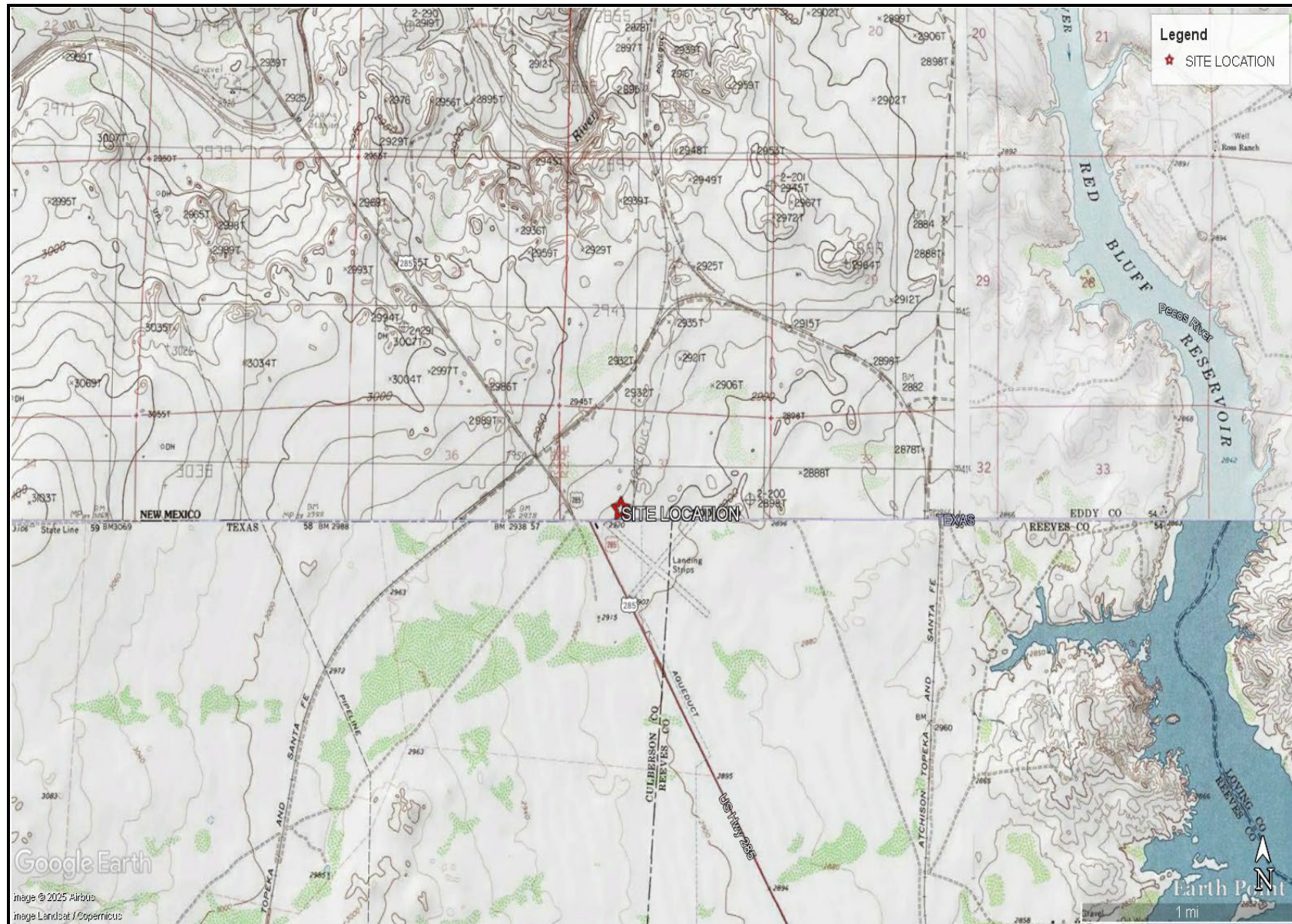
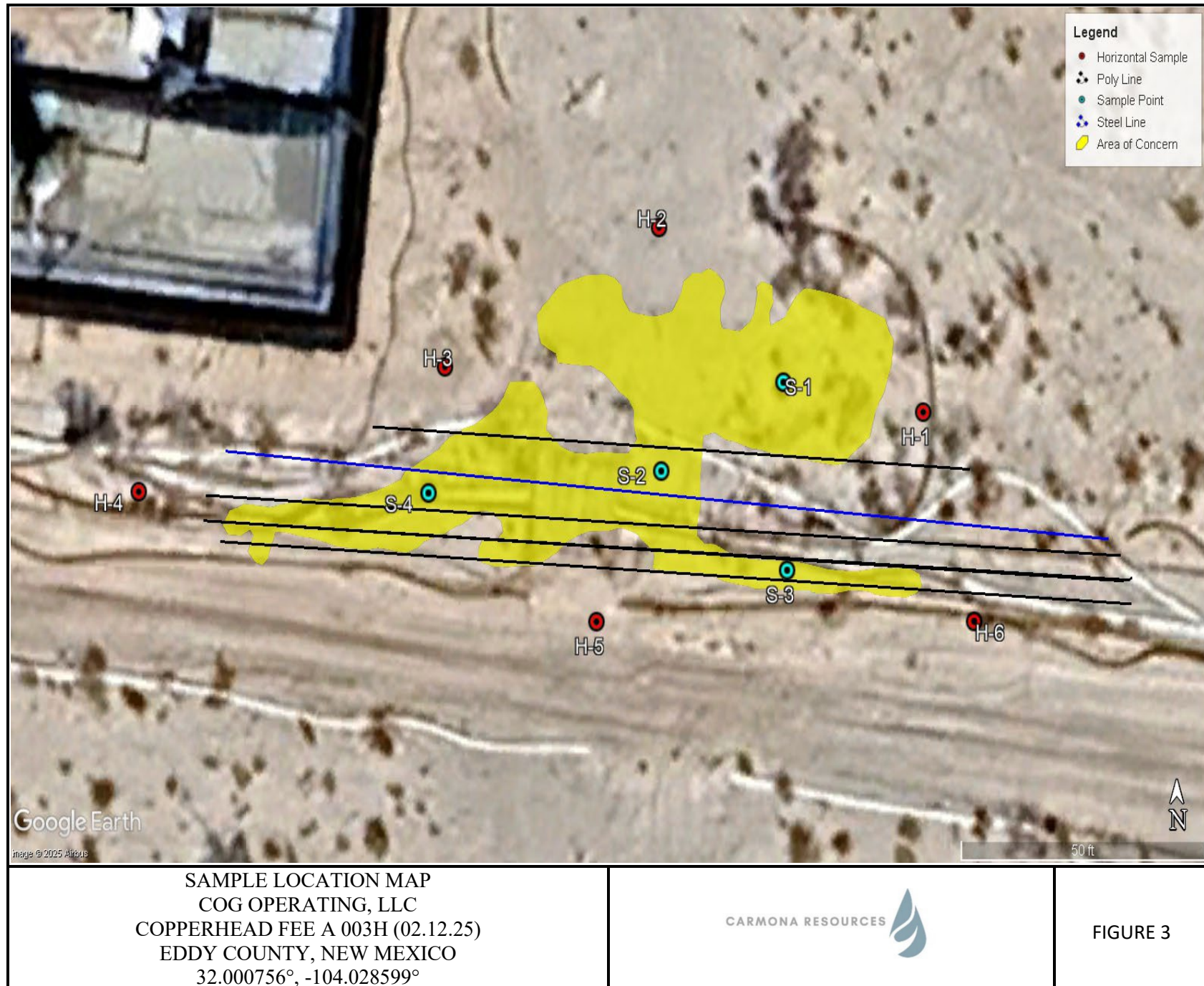
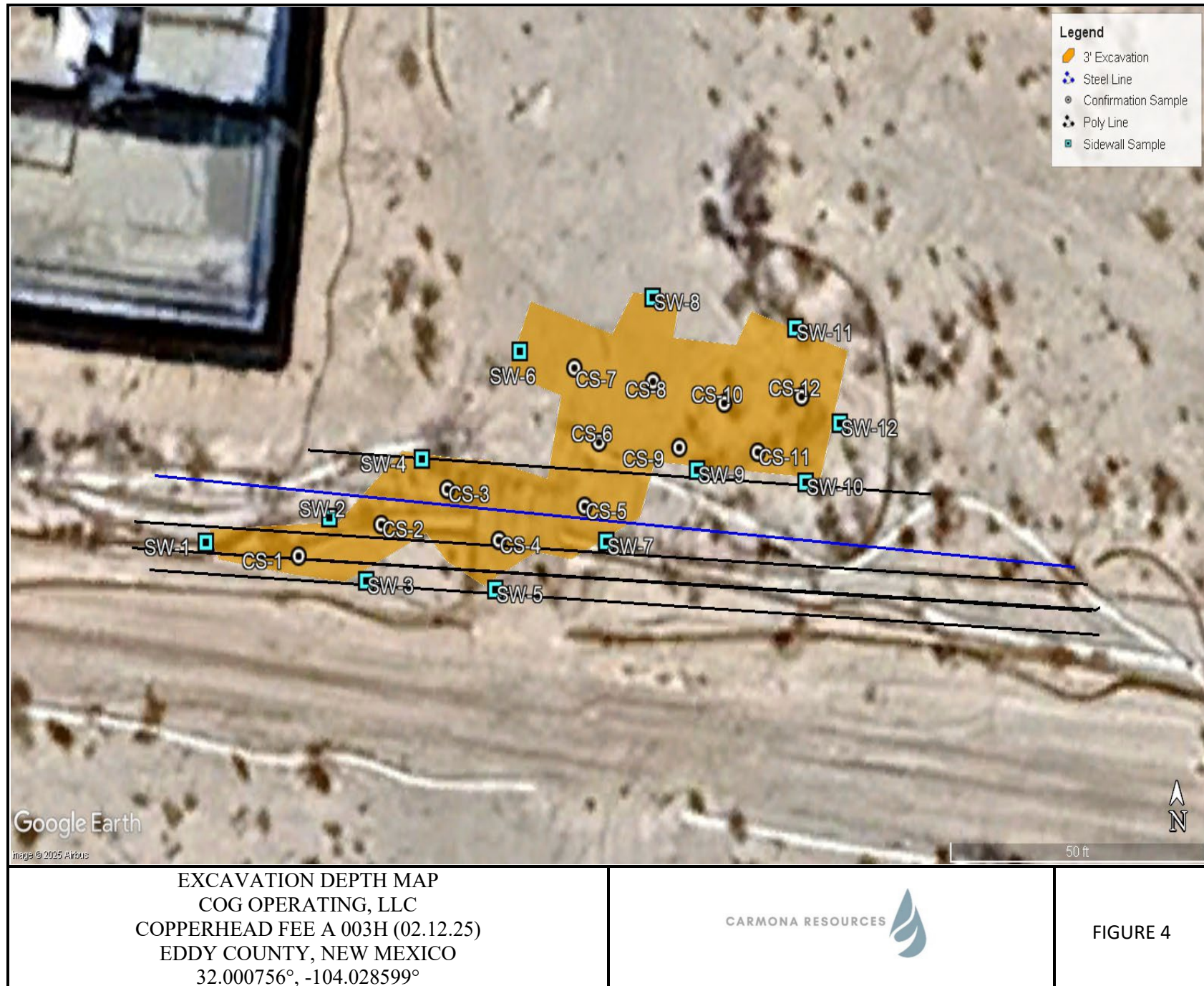
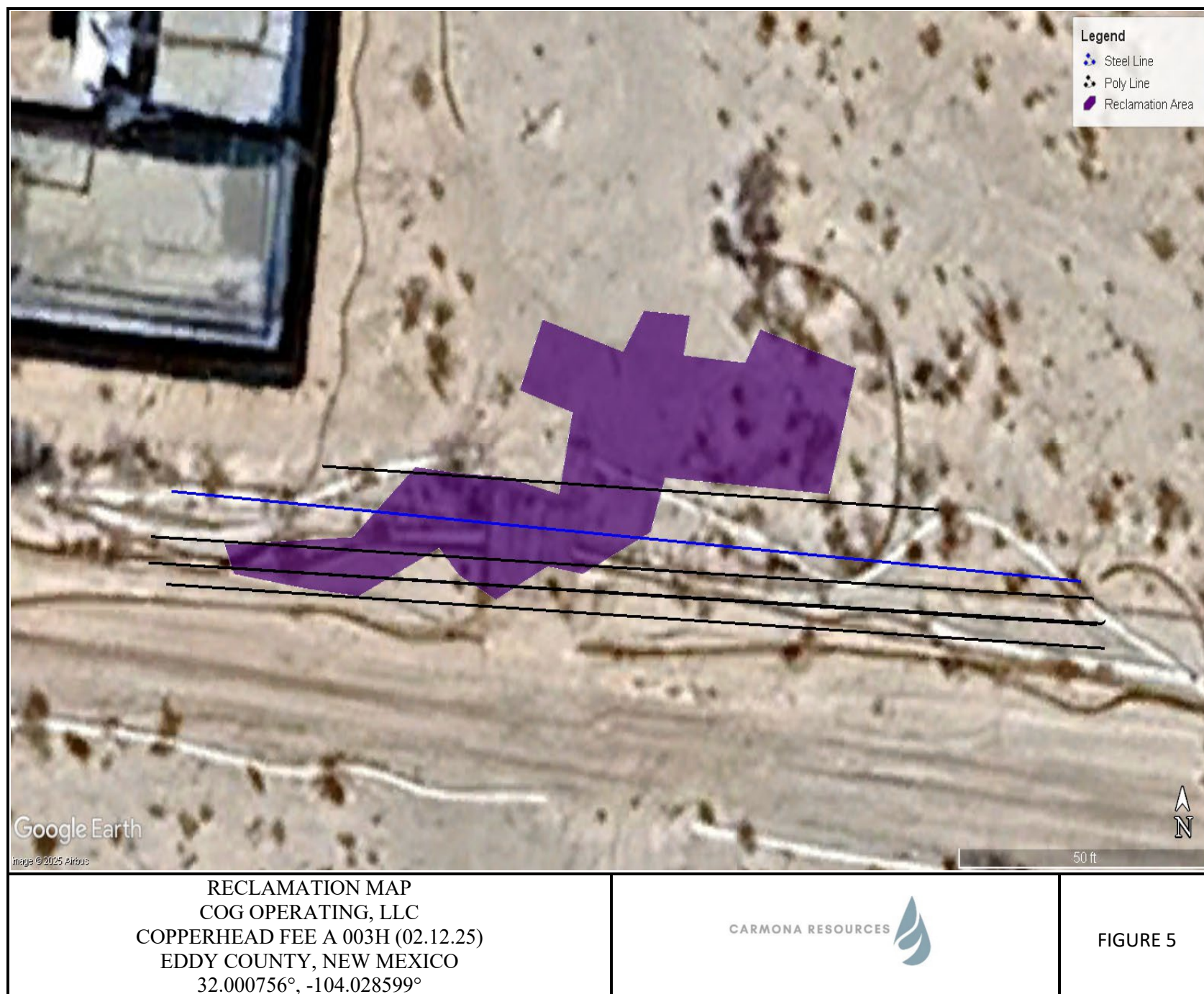


FIGURE 2







APPENDIX A

CARMONA RESOURCES



Table 1
Conoco Phillips
2671 Copperhead Fee A 3H
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	3/6/2025	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5,610
	3/6/2025	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	4,810
	3/6/2025	2'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	2,170
	3/6/2025	3'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	420
S-2	3/6/2025	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	4,270
	3/6/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,000
S-3	3/6/2025	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	541
	3/6/2025	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	241
	3/6/2025	2'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	146
S-4	3/6/2025	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	166
	3/6/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	429
	3/6/2025	2'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,630
H-1	3/6/2025	0-0.5'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	22.3
H-2	3/6/2025	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	17.7
H-3	3/6/2025	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	18.7
H-4	3/6/2025	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	16.9
H-5	3/6/2025	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	16.7
H-6	3/6/2025	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00398	<0.00398	26.3
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(H) Horizontal Sample

(S) Sample Point

 Removed

Table 1
Conoco Phillips
2671 Copperhead Fee A 3H
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	8/21/2025	3	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	40.3
CS-2	8/21/2025	3	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	37.8
CS-3	8/21/2025	3	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	39.0
CS-4	8/21/2025	3	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	33.9
CS-5	8/21/2025	3	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	39.9
CS-6	8/21/2025	3	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	40.8
CS-7	8/21/2025	3	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	40.2
CS-8	8/21/2025	3	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	38.7
CS-9	8/21/2025	3	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	30.2
CS-10	8/21/2025	3	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	39.3
CS-11	8/21/2025	3	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	27.0
CS-12	8/21/2025	3	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	47.4
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 1
Conoco Phillips
2671 Copperhead Fee A 3H
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	8/21/2025	3	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.1
SW-2	8/21/2025	3	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<9.94
SW-3	8/21/2025	3	<50.2	<50.2	<50.2	<50.2	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<9.96
SW-4	8/21/2025	3	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.0
SW-5	8/21/2025	3	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<10.1
SW-6	8/21/2025	3	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	16.2
SW-7	8/21/2025	3	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<10.0
SW-8	8/21/2025	3	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	14.8
SW-9	8/21/2025	3	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.96
SW-10	8/21/2025	3	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.0
SW-11	8/21/2025	3	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	10.6
SW-12	8/21/2025	3	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	11.0
Backfill	8/21/2025	"	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<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 Fee A 003H (02.12.25)**County:** Eddy County, New Mexico**Description:**

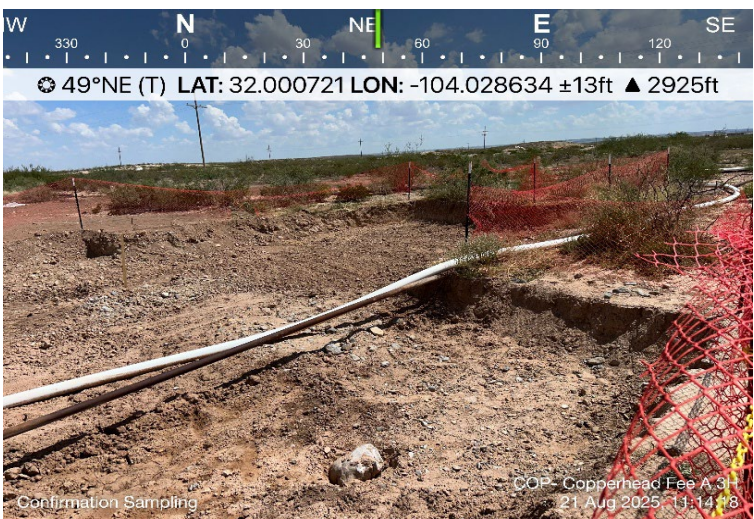
View Northeast, area of CS-1 through CS-3

**Photograph No. 2****Facility:** Copperhead Fee A 003H (02.12.25)**County:** Eddy County, New Mexico**Description:**

View West, area of CS-4 through CS-7

**Photograph No. 3****Facility:** Copperhead Fee A 003H (02.12.25)**County:** Eddy County, New Mexico**Description:**

View Northeast, area of CS-8 through CS-12



PHOTOGRAPHIC LOG
COG Operating, LLC

Photograph No. 4

Facility: Copperhead Fee A 003H (02.12.25)

County: Eddy County, New Mexico

Description:
View North of backfilled area.



Photograph No. 5

Facility: Copperhead Fee A 003H (02.12.25)

County: Eddy County, New Mexico

Description:
View Northwest of backfilled area.

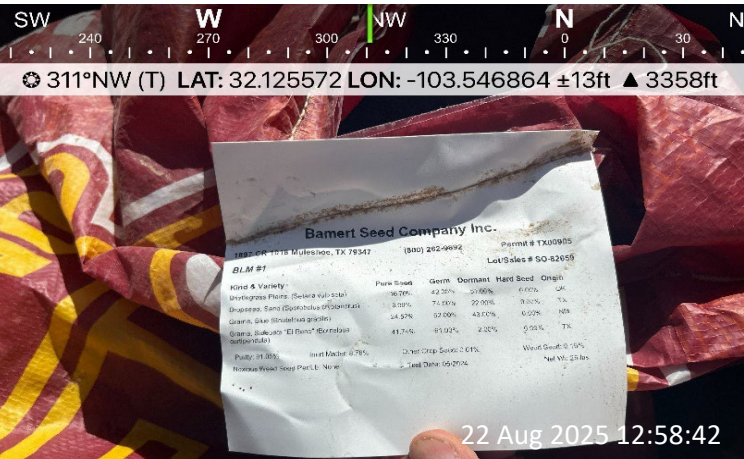


Photograph No. 6

Facility: Copperhead Fee A 003H (02.12.25)

County: Eddy County, New Mexico

Description:
View of BLM Seed Mix #1



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 444155

QUESTIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 444155
	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 Fee A 003H
Date Release Discovered	02/12/2025
Surface Owner	Private

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: Equipment Failure Flow Line - Production Produced Water Released: 7 BBL Recovered: 0 BBL Lost: 7 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 444155

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 444155
	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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
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	Not answered.
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	Not answered.
All free liquids and recoverable materials have been removed and managed appropriately	Not answered.
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 444155

ACKNOWLEDGMENTS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 444155
	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 444155

CONDITIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 444155
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
brittanyesparza	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	3/20/2025

Received by OCD: 11/19/2025 2:30:12 PM		Spill Calculation - Oil and Surface Pool Spill						Page 23 of 188
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.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)	
Rectangle A	65	6	0.5	390.00	2.89	0.00	2.90	
Rectangle B	28	10	0.5	280.00	2.08	0.00	2.08	
Rectangle C	28	10	0.5	280.00	2.08	0.00	2.08	
Rectangle D				0.00	0.00	0.00	0.00	
Rectangle E				0.00	0.00	0.00	0.00	
Rectangle F				0.00	0.00	0.00	0.00	
Rectangle G				0.00	0.00	0.00	0.00	
Rectangle H				0.00	0.00	0.00	0.00	
Rectangle I				0.00	0.00	0.00	0.00	
Rectangle J				0.00	0.00	0.00	0.00	
Released to Imaging: 1/27/2026 10:38:08 AM							Total Surface Pool Volume Released, Release to Soil/Caliche: 7.0605	

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Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 444161

QUESTIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 444161
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2507935269
Incident Name	NAPP2507935269 COPPERHEAD FEE A 003H @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Facility	[fAPP2129347391] Copperhead Fee A 3H Battery

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Copperhead Fee A 003H
Date Release Discovered	02/12/2025
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: Equipment Failure Flow Line - Production Produced Water Released: 7 BBL Recovered: 0 BBL Lost: 7 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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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QUESTIONS, Page 2

Action 444161

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 444161
	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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
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: 03/20/2025
--	---

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

QUESTIONS, Page 3

Action 444161

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 444161
	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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 444161

CONDITIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 444161
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	3/20/2025

Sante Fe Main Office
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Online Phone Directory
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 496861

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 496861
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2507935269
Incident Name	NAPP2507935269 COPPERHEAD FEE A 003H @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2129347391] Copperhead Fee A 3H Battery

Location of Release Source	
Site Name	Copperhead Fee A 003H
Date Release Discovered	02/12/2025
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	2,400
What is the estimated number of samples that will be gathered	27
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/21/2025
Time sampling will commence	08:30 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources
Please provide any information necessary for navigation to sampling site	coordinates on c-141

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

CONDITIONS

Action 496861

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 496861
	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.	8/18/2025
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.	8/18/2025

APPENDIX D

CARMONA RESOURCES



Nearest Water Well

COG Operating

Legend

- 0.16 Miles
- 0.50 Mile Radius
- 1.14 Miles
- NMOSE Water Well
- 2.60 Miles
- Copperhead Fee A #003H (02.12.2025)
- Groundwater Determination Bore
- New Mexico/ Texas State Line

145' - Drilled 2017

55' GWDB - Drilled 04.25.2022

55' - GWDB - 04.25.2022

Copperhead Fee A #003H (02.12.2025)

New Mexico/ Texas State Line

TEXAS

RED BLUFF LANDFILL



Medium Karst

COG Operating

Legend

- Copperhead Fee A #003H (02.12.2025)
- New Mexico/ Texas State Line

Copperhead Fee A #003H (02.12.2025)

New Mexico/ Texas State Line

TEXAS

285

Google Earth

RED BLUFF LANDFILL



1 mi



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
C 04022 POD2		CUB	ED	NE	NE	NE	27	26S	28E	588106.4	3543082.2		4157	250	145	105

Average Depth to Water: 145 feet

Minimum Depth: 145 feet

Maximum Depth: 145 feet

Record Count: 1

UTM Filters (in meters):

Easting: 591696.01
Northing: 3540983.95
Radius: 5000

* UTM location was derived from PLSS - see Help

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

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



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng	X	Y
C	04022 POD2	2	2	2	27	26S	28E	588106	3543082

Driller License: 1184

Driller Company: WEST TEXAS WATER WELL SERVICE

Driller Name: KEITH, RONNY

Drill Start Date: 05/08/2017

Drill Finish Date: 05/12/2017

Plug Date:

Log File Date: 06/05/2017

PCW Rev Date:

Source: Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield: 60 GPM

Casing Size: 12.25

Depth Well: 250 feet

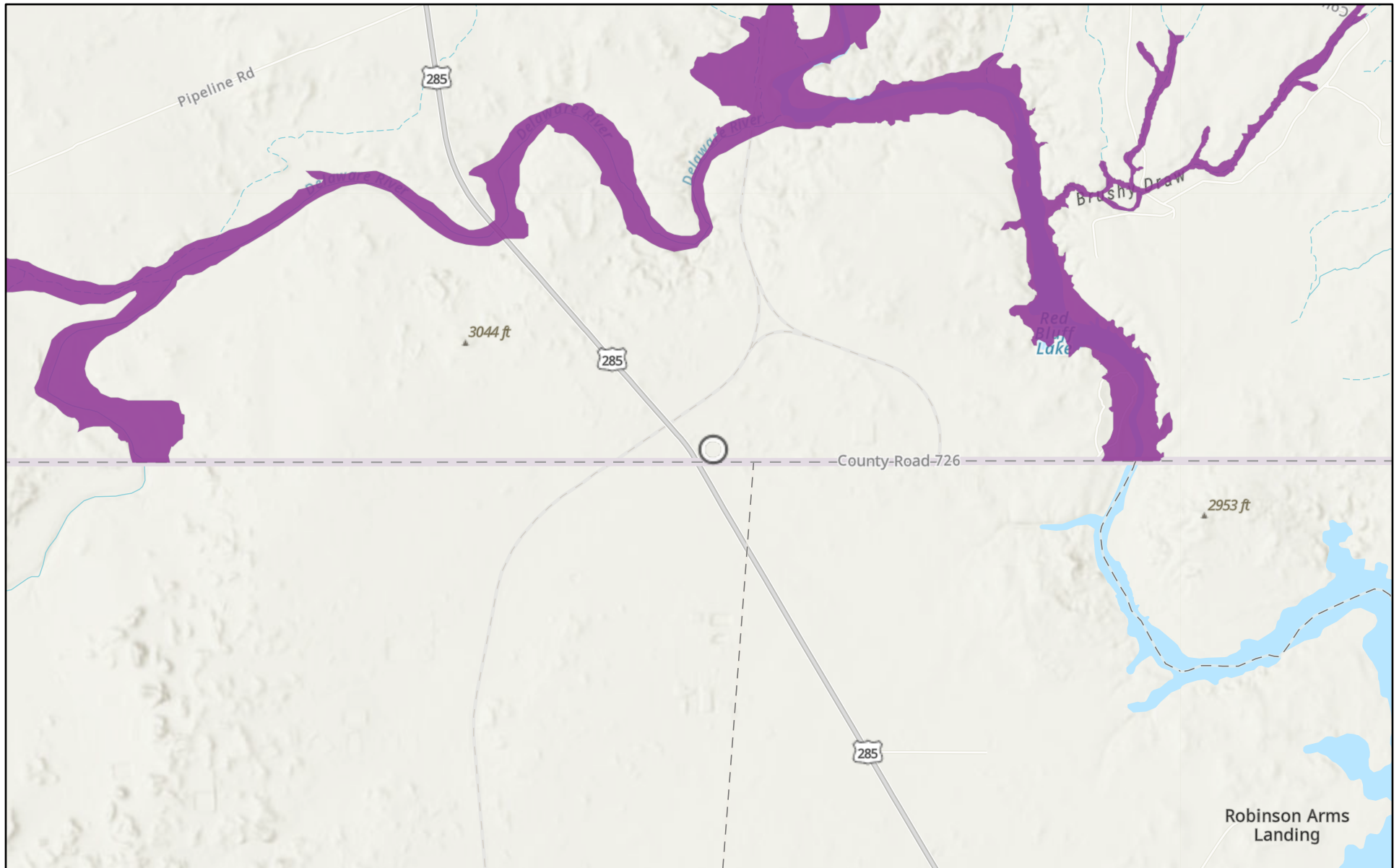
Depth Water: 145 feet

Water Bearing Stratifications:	Top	Bottom	Description
	150	160	Sandstone/Gravel/Conglomerate
	160	180	Sandstone/Gravel/Conglomerate
	180	190	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	130	250

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

Copperhead Fee A #003H (02.12.2025)



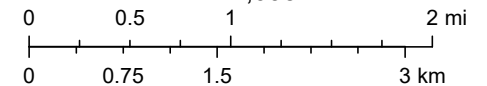
11/10/2025

USA Flood Hazard Areas

World_Hillshade

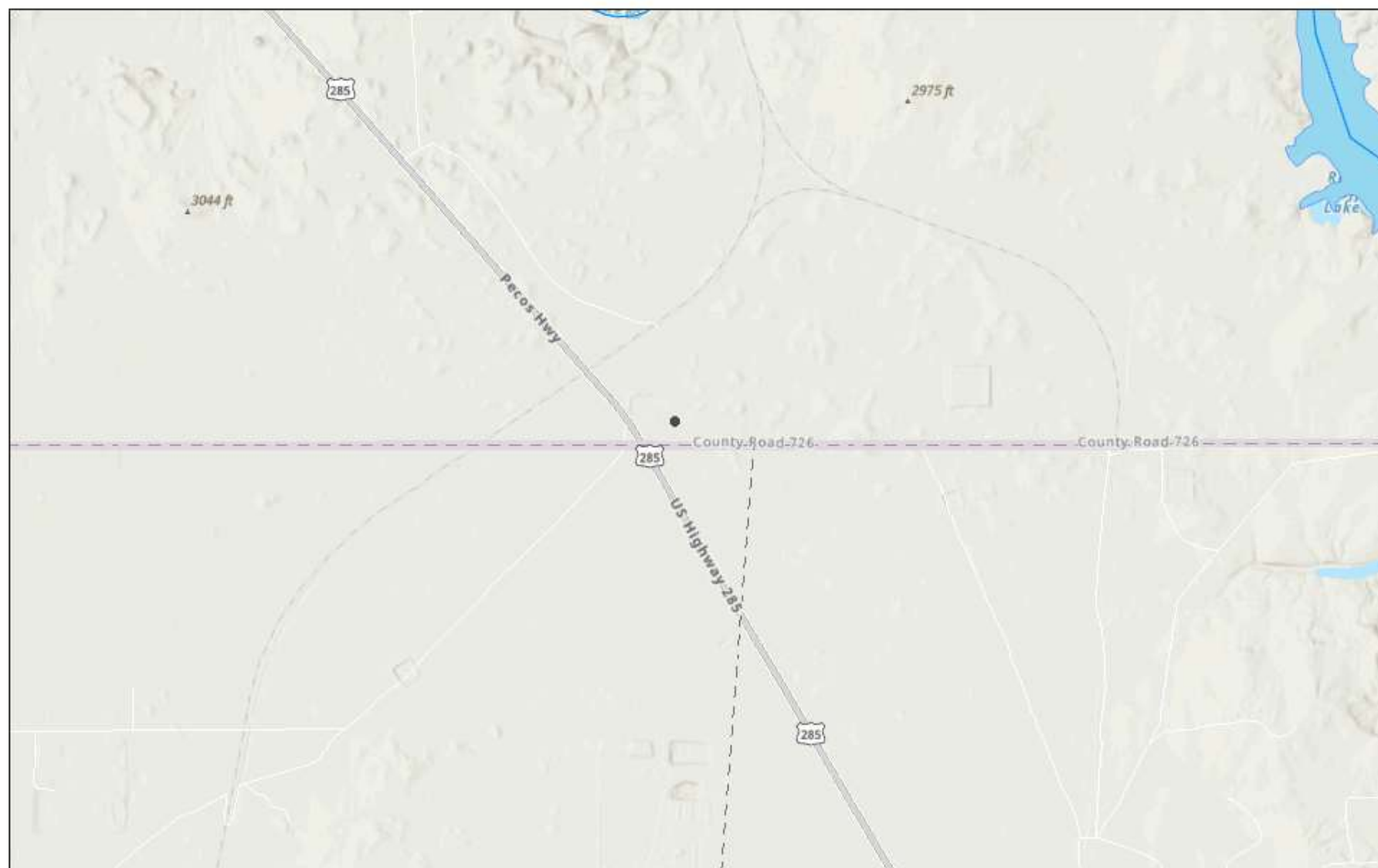
1% Annual Chance Flood Hazard

1:71,095



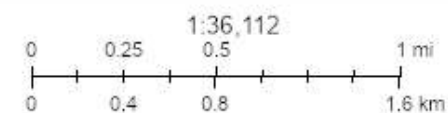
Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User

Copperhead Fee A #003H (02.12.2025)



11/10/2025, 1:25:24 PM

- OSW Water Bodys
- OSE Streams



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New Mexico Oil Conservation Division
NM OCD Oil and Gas Map, <http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d01712306164de29fd2fb9f8135ca75>, New Mexico Oil Conservation Division

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 3/13/2025 12:30:30 PM

JOB DESCRIPTION

Copperhead Fee A 3H
Eddy County NM

JOB NUMBER

880-55332-1

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
3/13/2025 12:30:30 PM

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

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Laboratory Job ID: 880-55332-1
SDG: Eddy County NM

Table of Contents

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Copperhead Fee A 3H

Job ID: 880-55332-1

Job ID: 880-55332-1

Eurofins Midland

Job Narrative
880-55332-1

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

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

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

Receipt

The samples were received on 3/7/2025 10:21 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.7°C.

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-104766 and analytical batch 880-104843 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-104766 and analytical batch 880-104843 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-1 (2') (880-55332-3), S-2 (1.5') (880-55332-6), S-3 (1.5') (880-55332-8), S-3 (2') (880-55332-9), S-4 (0-1') (880-55332-10) and S-4 (2') (880-55332-12). 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

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-104851 and analytical batch 880-104887 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: S-1 (0-1') (880-55332-1), S-1 (1.5') (880-55332-2), S-1 (2') (880-55332-3), S-1 (3') (880-55332-4), S-2 (0-1') (880-55332-5), S-2 (1.5') (880-55332-6), S-3 (0-1') (880-55332-7) and S-3 (1.5') (880-55332-8).

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-104851 and analytical batch 880-104887 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: S-3 (2') (880-55332-9), S-4 (0-1') (880-55332-10), S-4 (1.5') (880-55332-11), S-4 (2') (880-55332-12), (880-55332-A-9-D MS) and (880-55332-A-9-E MSD).

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

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

Lab Sample ID: 880-55332-1

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 12:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 12:43	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		03/07/25 12:33	03/10/25 12:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/07/25 12:33	03/10/25 12:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 12:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/07/25 12:33	03/10/25 12:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	03/07/25 12:33	03/10/25 12:43	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/07/25 12:33	03/10/25 12:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/10/25 12:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/12/25 23:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/09/25 21:02	03/12/25 23:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/09/25 21:02	03/12/25 23:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/09/25 21:02	03/12/25 23:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	03/09/25 21:02	03/12/25 23:20	1
o-Terphenyl	76		70 - 130	03/09/25 21:02	03/12/25 23:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5610		50.5		mg/Kg			03/11/25 18:22	5

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-55332-2

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/07/25 12:33	03/10/25 13:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/07/25 12:33	03/10/25 13:03	1
Ethylbenzene	<0.00202	U *	0.00202		mg/Kg		03/07/25 12:33	03/10/25 13:03	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/07/25 12:33	03/10/25 13:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/07/25 12:33	03/10/25 13:03	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/07/25 12:33	03/10/25 13:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	03/07/25 12:33	03/10/25 13:03	1
1,4-Difluorobenzene (Surr)	108		70 - 130	03/07/25 12:33	03/10/25 13:03	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-55332-2

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/10/25 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/12/25 23:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/09/25 21:02	03/12/25 23:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/09/25 21:02	03/12/25 23:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/09/25 21:02	03/12/25 23:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				03/09/25 21:02	03/12/25 23:36	1
o-Terphenyl	75		70 - 130				03/09/25 21:02	03/12/25 23:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4810		50.1		mg/Kg			03/11/25 18:28	5

Client Sample ID: S-1 (2')

Lab Sample ID: 880-55332-3

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/07/25 12:33	03/10/25 13:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/07/25 12:33	03/10/25 13:23	1
Ethylbenzene	<0.00202	U *	0.00202		mg/Kg		03/07/25 12:33	03/10/25 13:23	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/07/25 12:33	03/10/25 13:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/07/25 12:33	03/10/25 13:23	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/07/25 12:33	03/10/25 13:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				03/07/25 12:33	03/10/25 13:23	1
1,4-Difluorobenzene (Surr)	112		70 - 130				03/07/25 12:33	03/10/25 13:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/10/25 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/12/25 23:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/09/25 21:02	03/12/25 23:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/09/25 21:02	03/12/25 23:50	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

Client Sample ID: S-1 (2')

Lab Sample ID: 880-55332-3

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/09/25 21:02	03/12/25 23:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				03/09/25 21:02	03/12/25 23:50	1
o-Terphenyl	72		70 - 130				03/09/25 21:02	03/12/25 23:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2170		49.8		mg/Kg			03/11/25 18:34	5

Client Sample ID: S-1 (3')

Lab Sample ID: 880-55332-4

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:33	03/10/25 13:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:33	03/10/25 13:44	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		03/07/25 12:33	03/10/25 13:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/07/25 12:33	03/10/25 13:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:33	03/10/25 13:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/07/25 12:33	03/10/25 13:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				03/07/25 12:33	03/10/25 13:44	1
1,4-Difluorobenzene (Surr)	106		70 - 130				03/07/25 12:33	03/10/25 13:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/10/25 13:44	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			03/13/25 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	<49.8	U	49.8		mg/Kg		03/09/25 21:02	03/13/25 00:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/09/25 21:02	03/13/25 00:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/09/25 21:02	03/13/25 00:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				03/09/25 21:02	03/13/25 00:06	1
o-Terphenyl	71		70 - 130				03/09/25 21:02	03/13/25 00:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	420		9.94		mg/Kg			03/11/25 18:52	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

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

Lab Sample ID: 880-55332-5

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/07/25 12:33	03/10/25 14:04	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/07/25 12:33	03/10/25 14:04	1
Ethylbenzene	<0.00198	U *	0.00198		mg/Kg		03/07/25 12:33	03/10/25 14:04	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		03/07/25 12:33	03/10/25 14:04	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/07/25 12:33	03/10/25 14:04	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		03/07/25 12:33	03/10/25 14:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	03/07/25 12:33	03/10/25 14:04	1
1,4-Difluorobenzene (Surr)	112		70 - 130	03/07/25 12:33	03/10/25 14:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			03/10/25 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/13/25 00:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/09/25 21:02	03/13/25 00:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/09/25 21:02	03/13/25 00:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/09/25 21:02	03/13/25 00:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	03/09/25 21:02	03/13/25 00:20	1
o-Terphenyl	73		70 - 130	03/09/25 21:02	03/13/25 00:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4270		49.9		mg/Kg			03/11/25 18:58	5

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-55332-6

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 14:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 14:25	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		03/07/25 12:33	03/10/25 14:25	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/07/25 12:33	03/10/25 14:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 14:25	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/07/25 12:33	03/10/25 14:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	03/07/25 12:33	03/10/25 14:25	1
1,4-Difluorobenzene (Surr)	108		70 - 130	03/07/25 12:33	03/10/25 14:25	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-55332-6

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/10/25 14:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/13/25 00:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/09/25 21:02	03/13/25 00:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/09/25 21:02	03/13/25 00:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/09/25 21:02	03/13/25 00:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				03/09/25 21:02	03/13/25 00:34	1
o-Terphenyl	75		70 - 130				03/09/25 21:02	03/13/25 00:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2000		50.1		mg/Kg			03/11/25 19:03	5

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

Lab Sample ID: 880-55332-7

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 14:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 14:45	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		03/07/25 12:33	03/10/25 14:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/07/25 12:33	03/10/25 14:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 14:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/07/25 12:33	03/10/25 14:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				03/07/25 12:33	03/10/25 14:45	1
1,4-Difluorobenzene (Surr)	105		70 - 130				03/07/25 12:33	03/10/25 14:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/10/25 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/13/25 00:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/09/25 21:02	03/13/25 00:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/09/25 21:02	03/13/25 00:49	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

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

Lab Sample ID: 880-55332-7

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/09/25 21:02	03/13/25 00:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				03/09/25 21:02	03/13/25 00:49	1
o-Terphenyl	77		70 - 130				03/09/25 21:02	03/13/25 00:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	541		9.96		mg/Kg			03/11/25 19:09	1

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-55332-8

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/07/25 12:33	03/10/25 15:05	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/07/25 12:33	03/10/25 15:05	1
Ethylbenzene	<0.00198	U *	0.00198		mg/Kg		03/07/25 12:33	03/10/25 15:05	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/07/25 12:33	03/10/25 15:05	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/07/25 12:33	03/10/25 15:05	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/07/25 12:33	03/10/25 15:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				03/07/25 12:33	03/10/25 15:05	1
1,4-Difluorobenzene (Surr)	108		70 - 130				03/07/25 12:33	03/10/25 15:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/10/25 15:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			03/13/25 01:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		03/09/25 21:02	03/13/25 01:04	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		03/09/25 21:02	03/13/25 01:04	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		03/09/25 21:02	03/13/25 01:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				03/09/25 21:02	03/13/25 01:04	1
o-Terphenyl	77		70 - 130				03/09/25 21:02	03/13/25 01:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	241		9.92		mg/Kg			03/11/25 19:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

Client Sample ID: S-3 (2')

Lab Sample ID: 880-55332-9

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:33	03/10/25 15:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:33	03/10/25 15:26	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		03/07/25 12:33	03/10/25 15:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/07/25 12:33	03/10/25 15:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:33	03/10/25 15:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/07/25 12:33	03/10/25 15:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	03/07/25 12:33	03/10/25 15:26	1
1,4-Difluorobenzene (Surr)	106		70 - 130	03/07/25 12:33	03/10/25 15:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/10/25 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/13/25 01:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/09/25 21:02	03/13/25 01:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/09/25 21:02	03/13/25 01:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/09/25 21:02	03/13/25 01:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	03/09/25 21:02	03/13/25 01:19	1
o-Terphenyl	73		70 - 130	03/09/25 21:02	03/13/25 01:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	146	F1	10.0		mg/Kg			03/11/25 19:21	1

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

Lab Sample ID: 880-55332-10

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/07/25 12:33	03/10/25 15:46	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/07/25 12:33	03/10/25 15:46	1
Ethylbenzene	<0.00198	U *	0.00198		mg/Kg		03/07/25 12:33	03/10/25 15:46	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		03/07/25 12:33	03/10/25 15:46	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/07/25 12:33	03/10/25 15:46	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		03/07/25 12:33	03/10/25 15:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130	03/07/25 12:33	03/10/25 15:46	1
1,4-Difluorobenzene (Surr)	109		70 - 130	03/07/25 12:33	03/10/25 15:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

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

Lab Sample ID: 880-55332-10

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			03/10/25 15:46	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			03/13/25 01:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/09/25 21:02	03/13/25 01:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/09/25 21:02	03/13/25 01:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/09/25 21:02	03/13/25 01:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				03/09/25 21:02	03/13/25 01:33	1
o-Terphenyl	75		70 - 130				03/09/25 21:02	03/13/25 01:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	166		10.1		mg/Kg			03/11/25 19:39	1

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-55332-11

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 17:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 17:36	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		03/07/25 12:33	03/10/25 17:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/07/25 12:33	03/10/25 17:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 17:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/07/25 12:33	03/10/25 17:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				03/07/25 12:33	03/10/25 17:36	1
1,4-Difluorobenzene (Surr)	103		70 - 130				03/07/25 12:33	03/10/25 17:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/10/25 17:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/13/25 03:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/09/25 21:05	03/13/25 03:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/09/25 21:05	03/13/25 03:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-55332-11

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/09/25 21:05	03/13/25 03:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				03/09/25 21:05	03/13/25 03:30	1
o-Terphenyl	84		70 - 130				03/09/25 21:05	03/13/25 03:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	429		9.94		mg/Kg			03/11/25 19:44	1

Client Sample ID: S-4 (2')

Lab Sample ID: 880-55332-12

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/07/25 12:33	03/10/25 17:57	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/07/25 12:33	03/10/25 17:57	1
Ethylbenzene	<0.00198	U *	0.00198		mg/Kg		03/07/25 12:33	03/10/25 17:57	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/07/25 12:33	03/10/25 17:57	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/07/25 12:33	03/10/25 17:57	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/07/25 12:33	03/10/25 17:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				03/07/25 12:33	03/10/25 17:57	1
1,4-Difluorobenzene (Surr)	113		70 - 130				03/07/25 12:33	03/10/25 17:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/10/25 17:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/13/25 04:14	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	<49.8	U	49.8		mg/Kg		03/09/25 21:05	03/13/25 04:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/09/25 21:05	03/13/25 04:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/09/25 21:05	03/13/25 04:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				03/09/25 21:05	03/13/25 04:14	1
o-Terphenyl	81		70 - 130				03/09/25 21:05	03/13/25 04:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1630		49.6		mg/Kg			03/11/25 23:25	5

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Surrogate Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-55332-1	S-1 (0-1')	101	101
880-55332-1 MS	S-1 (0-1')	116	102
880-55332-1 MSD	S-1 (0-1')	115	98
880-55332-2	S-1 (1.5')	122	108
880-55332-3	S-1 (2')	132 S1+	112
880-55332-4	S-1 (3')	120	106
880-55332-5	S-2 (0-1')	123	112
880-55332-6	S-2 (1.5')	138 S1+	108
880-55332-7	S-3 (0-1')	127	105
880-55332-8	S-3 (1.5')	131 S1+	108
880-55332-9	S-3 (2')	132 S1+	106
880-55332-10	S-4 (0-1')	135 S1+	109
880-55332-11	S-4 (1.5')	111	103
880-55332-12	S-4 (2')	137 S1+	113
LCS 880-104766/1-A	Lab Control Sample	101	102
LCSD 880-104766/2-A	Lab Control Sample Dup	103	93
MB 880-104766/5-A	Method Blank	228 S1+	131 S1+
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)
880-55328-A-4-D MS	Matrix Spike	94	83
880-55328-A-4-E MSD	Matrix Spike Duplicate	94	83
880-55332-1	S-1 (0-1')	84	76
880-55332-2	S-1 (1.5')	84	75
880-55332-3	S-1 (2')	81	72
880-55332-4	S-1 (3')	81	71
880-55332-5	S-2 (0-1')	82	73
880-55332-6	S-2 (1.5')	87	75
880-55332-7	S-3 (0-1')	88	77
880-55332-8	S-3 (1.5')	88	77
880-55332-9	S-3 (2')	84	73
880-55332-10	S-4 (0-1')	83	75
880-55332-11	S-4 (1.5')	92	84
880-55332-11 MS	S-4 (1.5')	90	78
880-55332-11 MSD	S-4 (1.5')	92	78
880-55332-12	S-4 (2')	89	81
LCS 880-104818/2-A	Lab Control Sample	129	115
LCS 880-104819/2-A	Lab Control Sample	119	109
LCSD 880-104818/3-A	Lab Control Sample Dup	123	109
LCSD 880-104819/3-A	Lab Control Sample Dup	121	108
MB 880-104818/1-A	Method Blank	90	82
MB 880-104819/1-A	Method Blank	95	85

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Surrogate Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

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

QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-104766/5-A

Matrix: Solid

Analysis Batch: 104843

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 104766

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 12:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 12:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 12:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/07/25 12:33	03/10/25 12:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 12:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/07/25 12:33	03/10/25 12:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	228	S1+	70 - 130	03/07/25 12:33	03/10/25 12:14	1
1,4-Difluorobenzene (Surr)	131	S1+	70 - 130	03/07/25 12:33	03/10/25 12:14	1

Lab Sample ID: LCS 880-104766/1-A

Matrix: Solid

Analysis Batch: 104843

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 104766

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08799		mg/Kg		88	70 - 130
Toluene	0.100	0.08598		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.06890	*-	mg/Kg		69	70 - 130
m-Xylene & p-Xylene	0.200	0.1813		mg/Kg		91	70 - 130
o-Xylene	0.100	0.09300		mg/Kg		93	70 - 130

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

Lab Sample ID: LCSD 880-104766/2-A

Matrix: Solid

Analysis Batch: 104843

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 104766

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09227		mg/Kg		92	70 - 130	5	35
Toluene	0.100	0.09273		mg/Kg		93	70 - 130	8	35
Ethylbenzene	0.100	0.09550		mg/Kg		95	70 - 130	32	35
m-Xylene & p-Xylene	0.200	0.1965		mg/Kg		98	70 - 130	8	35
o-Xylene	0.100	0.09514		mg/Kg		95	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 880-55332-1 MS

Matrix: Solid

Analysis Batch: 104843

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

Prep Type: Total/NA

Prep Batch: 104766

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1024		mg/Kg		102	70 - 130
Toluene	<0.00200	U	0.100	0.09894		mg/Kg		99	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

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

Lab Sample ID: 880-55332-1 MS

Matrix: Solid

Analysis Batch: 104843

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

Prep Type: Total/NA

Prep Batch: 104766

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U *-	0.100	0.08666		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1942		mg/Kg		97	70 - 130
o-Xylene	<0.00200	U	0.100	0.09604		mg/Kg		96	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-55332-1 MSD

Matrix: Solid

Analysis Batch: 104843

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

Prep Type: Total/NA

Prep Batch: 104766

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	0.1006		mg/Kg		101	70 - 130	2	35
Toluene	<0.00200	U	0.100	0.08591		mg/Kg		86	70 - 130	14	35
Ethylbenzene	<0.00200	U *-	0.100	0.07875		mg/Kg		79	70 - 130	10	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1793		mg/Kg		90	70 - 130	8	35
o-Xylene	<0.00200	U	0.100	0.09175		mg/Kg		92	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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

Lab Sample ID: MB 880-104818/1-A

Matrix: Solid

Analysis Batch: 105107

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 104818

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/09/25 21:02	03/12/25 19:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/09/25 21:02	03/12/25 19:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/09/25 21:02	03/12/25 19:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	03/09/25 21:02	03/12/25 19:25	1
o-Terphenyl	82		70 - 130	03/09/25 21:02	03/12/25 19:25	1

Lab Sample ID: LCS 880-104818/2-A

Matrix: Solid

Analysis Batch: 105107

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 104818

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1157		mg/Kg		116	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1150		mg/Kg		115	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

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

Lab Sample ID: LCS 880-104818/2-A

Matrix: Solid

Analysis Batch: 105107

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 104818

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	129		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: LCSD 880-104818/3-A

Matrix: Solid

Analysis Batch: 105107

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 104818

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1116		mg/Kg		112	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1084		mg/Kg		108	70 - 130	6	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: 880-55328-A-4-D MS

Matrix: Solid

Analysis Batch: 105107

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 104818

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	994	785.3		mg/Kg		79	70 - 130
Diesel Range Organics (Over C10-C28)	66.9		994	829.6		mg/Kg		77	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	83		70 - 130

Lab Sample ID: 880-55328-A-4-E MSD

Matrix: Solid

Analysis Batch: 105107

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 104818

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	994	771.1		mg/Kg		78	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	66.9		994	843.0		mg/Kg		78	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	83		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

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

Lab Sample ID: MB 880-104819/1-A

Matrix: Solid

Analysis Batch: 105107

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 104819

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/09/25 21:05	03/13/25 02:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/09/25 21:05	03/13/25 02:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/09/25 21:05	03/13/25 02:46	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				03/09/25 21:05	03/13/25 02:46	1
o-Terphenyl	85		70 - 130				03/09/25 21:05	03/13/25 02:46	1

Lab Sample ID: LCS 880-104819/2-A

Matrix: Solid

Analysis Batch: 105107

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 104819

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	828.8		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	883.7		mg/Kg		88	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	119		70 - 130				
o-Terphenyl	109		70 - 130				

Lab Sample ID: LCSD 880-104819/3-A

Matrix: Solid

Analysis Batch: 105107

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 104819

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	822.9		mg/Kg		82	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	906.6		mg/Kg		91	70 - 130	3	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	121		70 - 130						
o-Terphenyl	108		70 - 130						

Lab Sample ID: 880-55332-11 MS

Matrix: Solid

Analysis Batch: 105107

Client Sample ID: S-4 (1.5')

Prep Type: Total/NA

Prep Batch: 104819

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	994	841.7		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	994	756.0		mg/Kg		76	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

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

Lab Sample ID: 880-55332-11 MS

Matrix: Solid

Analysis Batch: 105107

Client Sample ID: S-4 (1.5')

Prep Type: Total/NA

Prep Batch: 104819

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	78		70 - 130

Lab Sample ID: 880-55332-11 MSD

Matrix: Solid

Analysis Batch: 105107

Client Sample ID: S-4 (1.5')

Prep Type: Total/NA

Prep Batch: 104819

	Sample	Sample	Spike	MSD	MSD				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	994	872.7		mg/Kg		88	70 - 130	4
Diesel Range Organics (Over C10-C28)	<50.0	U	994	795.7		mg/Kg		80	70 - 130	5
	MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	92		70 - 130							
o-Terphenyl	78		70 - 130							

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-104851/1-A

Matrix: Solid

Analysis Batch: 104887

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			03/11/25 17:41	1	

Lab Sample ID: LCS 880-104851/2-A

Matrix: Solid

Analysis Batch: 104887

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	261.9		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-104851/3-A

Matrix: Solid

Analysis Batch: 104887

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

	Spike	LCSD	LCSD					%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	262.6		mg/Kg		105	90 - 110	0	20	

Lab Sample ID: 880-55332-9 MS

Matrix: Solid

Analysis Batch: 104887

Client Sample ID: S-3 (2')

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	146	F1	251	437.8	F1	mg/Kg		116	90 - 110	

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-55332-9 MSD							Client Sample ID: S-3 (2')					
Matrix: Solid							Prep Type: Soluble					
Analysis Batch: 104887												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	146	F1	251	436.5	F1	mg/Kg		116	90 - 110	0	20	

QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

GC VOA

Prep Batch: 104766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55332-1	S-1 (0-1')	Total/NA	Solid	5035	
880-55332-2	S-1 (1.5')	Total/NA	Solid	5035	
880-55332-3	S-1 (2')	Total/NA	Solid	5035	
880-55332-4	S-1 (3')	Total/NA	Solid	5035	
880-55332-5	S-2 (0-1')	Total/NA	Solid	5035	
880-55332-6	S-2 (1.5')	Total/NA	Solid	5035	
880-55332-7	S-3 (0-1')	Total/NA	Solid	5035	
880-55332-8	S-3 (1.5')	Total/NA	Solid	5035	
880-55332-9	S-3 (2')	Total/NA	Solid	5035	
880-55332-10	S-4 (0-1')	Total/NA	Solid	5035	
880-55332-11	S-4 (1.5')	Total/NA	Solid	5035	
880-55332-12	S-4 (2')	Total/NA	Solid	5035	
MB 880-104766/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-104766/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-104766/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-55332-1 MS	S-1 (0-1')	Total/NA	Solid	5035	
880-55332-1 MSD	S-1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 104843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55332-1	S-1 (0-1')	Total/NA	Solid	8021B	104766
880-55332-2	S-1 (1.5')	Total/NA	Solid	8021B	104766
880-55332-3	S-1 (2')	Total/NA	Solid	8021B	104766
880-55332-4	S-1 (3')	Total/NA	Solid	8021B	104766
880-55332-5	S-2 (0-1')	Total/NA	Solid	8021B	104766
880-55332-6	S-2 (1.5')	Total/NA	Solid	8021B	104766
880-55332-7	S-3 (0-1')	Total/NA	Solid	8021B	104766
880-55332-8	S-3 (1.5')	Total/NA	Solid	8021B	104766
880-55332-9	S-3 (2')	Total/NA	Solid	8021B	104766
880-55332-10	S-4 (0-1')	Total/NA	Solid	8021B	104766
880-55332-11	S-4 (1.5')	Total/NA	Solid	8021B	104766
880-55332-12	S-4 (2')	Total/NA	Solid	8021B	104766
MB 880-104766/5-A	Method Blank	Total/NA	Solid	8021B	104766
LCS 880-104766/1-A	Lab Control Sample	Total/NA	Solid	8021B	104766
LCSD 880-104766/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	104766
880-55332-1 MS	S-1 (0-1')	Total/NA	Solid	8021B	104766
880-55332-1 MSD	S-1 (0-1')	Total/NA	Solid	8021B	104766

Analysis Batch: 105037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55332-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-55332-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-55332-3	S-1 (2')	Total/NA	Solid	Total BTEX	
880-55332-4	S-1 (3')	Total/NA	Solid	Total BTEX	
880-55332-5	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-55332-6	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-55332-7	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-55332-8	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-55332-9	S-3 (2')	Total/NA	Solid	Total BTEX	
880-55332-10	S-4 (0-1')	Total/NA	Solid	Total BTEX	
880-55332-11	S-4 (1.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

GC VOA (Continued)

Analysis Batch: 105037 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55332-12	S-4 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 104818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55332-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-55332-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-55332-3	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-55332-4	S-1 (3')	Total/NA	Solid	8015NM Prep	
880-55332-5	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-55332-6	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-55332-7	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-55332-8	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-55332-9	S-3 (2')	Total/NA	Solid	8015NM Prep	
880-55332-10	S-4 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-104818/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-104818/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-104818/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-55328-A-4-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-55328-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 104819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55332-11	S-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-55332-12	S-4 (2')	Total/NA	Solid	8015NM Prep	
MB 880-104819/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-104819/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-104819/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-55332-11 MS	S-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-55332-11 MSD	S-4 (1.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 105107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55332-1	S-1 (0-1')	Total/NA	Solid	8015B NM	104818
880-55332-2	S-1 (1.5')	Total/NA	Solid	8015B NM	104818
880-55332-3	S-1 (2')	Total/NA	Solid	8015B NM	104818
880-55332-4	S-1 (3')	Total/NA	Solid	8015B NM	104818
880-55332-5	S-2 (0-1')	Total/NA	Solid	8015B NM	104818
880-55332-6	S-2 (1.5')	Total/NA	Solid	8015B NM	104818
880-55332-7	S-3 (0-1')	Total/NA	Solid	8015B NM	104818
880-55332-8	S-3 (1.5')	Total/NA	Solid	8015B NM	104818
880-55332-9	S-3 (2')	Total/NA	Solid	8015B NM	104818
880-55332-10	S-4 (0-1')	Total/NA	Solid	8015B NM	104818
880-55332-11	S-4 (1.5')	Total/NA	Solid	8015B NM	104819
880-55332-12	S-4 (2')	Total/NA	Solid	8015B NM	104819
MB 880-104818/1-A	Method Blank	Total/NA	Solid	8015B NM	104818
MB 880-104819/1-A	Method Blank	Total/NA	Solid	8015B NM	104819
LCS 880-104818/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	104818
LCS 880-104819/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	104819
LCSD 880-104818/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	104818

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QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

GC Semi VOA (Continued)

Analysis Batch: 105107 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-104819/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	104819
880-55328-A-4-D MS	Matrix Spike	Total/NA	Solid	8015B NM	104818
880-55328-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	104818
880-55332-11 MS	S-4 (1.5')	Total/NA	Solid	8015B NM	104819
880-55332-11 MSD	S-4 (1.5')	Total/NA	Solid	8015B NM	104819

Analysis Batch: 105231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55332-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-55332-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-55332-3	S-1 (2')	Total/NA	Solid	8015 NM	
880-55332-4	S-1 (3')	Total/NA	Solid	8015 NM	
880-55332-5	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-55332-6	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-55332-7	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-55332-8	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-55332-9	S-3 (2')	Total/NA	Solid	8015 NM	
880-55332-10	S-4 (0-1')	Total/NA	Solid	8015 NM	
880-55332-11	S-4 (1.5')	Total/NA	Solid	8015 NM	
880-55332-12	S-4 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 104851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55332-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-55332-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-55332-3	S-1 (2')	Soluble	Solid	DI Leach	
880-55332-4	S-1 (3')	Soluble	Solid	DI Leach	
880-55332-5	S-2 (0-1')	Soluble	Solid	DI Leach	
880-55332-6	S-2 (1.5')	Soluble	Solid	DI Leach	
880-55332-7	S-3 (0-1')	Soluble	Solid	DI Leach	
880-55332-8	S-3 (1.5')	Soluble	Solid	DI Leach	
880-55332-9	S-3 (2')	Soluble	Solid	DI Leach	
880-55332-10	S-4 (0-1')	Soluble	Solid	DI Leach	
880-55332-11	S-4 (1.5')	Soluble	Solid	DI Leach	
880-55332-12	S-4 (2')	Soluble	Solid	DI Leach	
MB 880-104851/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-104851/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-104851/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-55332-9 MS	S-3 (2')	Soluble	Solid	DI Leach	
880-55332-9 MSD	S-3 (2')	Soluble	Solid	DI Leach	

Analysis Batch: 104887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55332-1	S-1 (0-1')	Soluble	Solid	300.0	104851
880-55332-2	S-1 (1.5')	Soluble	Solid	300.0	104851
880-55332-3	S-1 (2')	Soluble	Solid	300.0	104851
880-55332-4	S-1 (3')	Soluble	Solid	300.0	104851
880-55332-5	S-2 (0-1')	Soluble	Solid	300.0	104851
880-55332-6	S-2 (1.5')	Soluble	Solid	300.0	104851

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

HPLC/IC (Continued)

Analysis Batch: 104887 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55332-7	S-3 (0-1')	Soluble	Solid	300.0	104851
880-55332-8	S-3 (1.5')	Soluble	Solid	300.0	104851
880-55332-9	S-3 (2')	Soluble	Solid	300.0	104851
880-55332-10	S-4 (0-1')	Soluble	Solid	300.0	104851
880-55332-11	S-4 (1.5')	Soluble	Solid	300.0	104851
880-55332-12	S-4 (2')	Soluble	Solid	300.0	104851
MB 880-104851/1-A	Method Blank	Soluble	Solid	300.0	104851
LCS 880-104851/2-A	Lab Control Sample	Soluble	Solid	300.0	104851
LCSD 880-104851/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	104851
880-55332-9 MS	S-3 (2')	Soluble	Solid	300.0	104851
880-55332-9 MSD	S-3 (2')	Soluble	Solid	300.0	104851

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

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

Lab Sample ID: 880-55332-1

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

Prep 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	104766	03/07/25 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104843	03/10/25 12:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105037	03/10/25 12:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105231	03/12/25 23:20	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	104818	03/09/25 21:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105107	03/12/25 23:20	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	104851	03/10/25 09:30	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	104887	03/11/25 18:22	SMC	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-55332-2

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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	104766	03/07/25 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104843	03/10/25 13:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105037	03/10/25 13:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105231	03/12/25 23:36	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	104818	03/09/25 21:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105107	03/12/25 23:36	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	104851	03/10/25 09:30	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	104887	03/11/25 18:28	SMC	EET MID

Client Sample ID: S-1 (2')

Lab Sample ID: 880-55332-3

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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	104766	03/07/25 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104843	03/10/25 13:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105037	03/10/25 13:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105231	03/12/25 23:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	104818	03/09/25 21:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105107	03/12/25 23:50	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	104851	03/10/25 09:30	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	104887	03/11/25 18:34	SMC	EET MID

Client Sample ID: S-1 (3')

Lab Sample ID: 880-55332-4

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

Prep 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	104766	03/07/25 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104843	03/10/25 13:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105037	03/10/25 13:44	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

Client Sample ID: S-1 (3')

Lab Sample ID: 880-55332-4

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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			105231	03/13/25 00:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	104818	03/09/25 21:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105107	03/13/25 00:06	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	104851	03/10/25 09:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104887	03/11/25 18:52	SMC	EET MID

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

Lab Sample ID: 880-55332-5

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	104766	03/07/25 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104843	03/10/25 14:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105037	03/10/25 14:04	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105231	03/13/25 00:20	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	104818	03/09/25 21:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105107	03/13/25 00:20	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	104851	03/10/25 09:30	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	104887	03/11/25 18:58	SMC	EET MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-55332-6

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	104766	03/07/25 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104843	03/10/25 14:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105037	03/10/25 14:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105231	03/13/25 00:34	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	104818	03/09/25 21:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105107	03/13/25 00:34	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	104851	03/10/25 09:30	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	104887	03/11/25 19:03	SMC	EET MID

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

Lab Sample ID: 880-55332-7

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

Prep 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	104766	03/07/25 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104843	03/10/25 14:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105037	03/10/25 14:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105231	03/13/25 00:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	104818	03/09/25 21:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105107	03/13/25 00:49	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

Client Sample ID: S-3 (0-1')**Lab Sample ID: 880-55332-7****Date Collected: 03/06/25 00:00****Matrix: Solid****Date Received: 03/07/25 10:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	104851	03/10/25 09:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104887	03/11/25 19:09	SMC	EET MID

Client Sample ID: S-3 (1.5')**Lab Sample ID: 880-55332-8****Date Collected: 03/06/25 00:00****Matrix: Solid****Date Received: 03/07/25 10:21**

Prep 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	104766	03/07/25 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104843	03/10/25 15:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105037	03/10/25 15:05	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105231	03/13/25 01:04	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	104818	03/09/25 21:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105107	03/13/25 01:04	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	104851	03/10/25 09:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104887	03/11/25 19:15	SMC	EET MID

Client Sample ID: S-3 (2')**Lab Sample ID: 880-55332-9****Date Collected: 03/06/25 00:00****Matrix: Solid****Date Received: 03/07/25 10:21**

Prep 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	104766	03/07/25 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104843	03/10/25 15:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105037	03/10/25 15:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105231	03/13/25 01:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	104818	03/09/25 21:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105107	03/13/25 01:19	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	104851	03/10/25 09:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104887	03/11/25 19:21	SMC	EET MID

Client Sample ID: S-4 (0-1')**Lab Sample ID: 880-55332-10****Date Collected: 03/06/25 00:00****Matrix: Solid****Date Received: 03/07/25 10:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	104766	03/07/25 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104843	03/10/25 15:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105037	03/10/25 15:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105231	03/13/25 01:33	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	104818	03/09/25 21:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105107	03/13/25 01:33	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	104851	03/10/25 09:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104887	03/11/25 19:39	SMC	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

Client Sample ID: S-4 (1.5')
Date Collected: 03/06/25 00:00
Date Received: 03/07/25 10:21

Lab Sample ID: 880-55332-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	104766	03/07/25 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104843	03/10/25 17:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105037	03/10/25 17:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105231	03/13/25 03:30	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	104819	03/09/25 21:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105107	03/13/25 03:30	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	104851	03/10/25 09:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104887	03/11/25 19:44	SMC	EET MID

Client Sample ID: S-4 (2')
Date Collected: 03/06/25 00:00
Date Received: 03/07/25 10:21

Lab Sample ID: 880-55332-12
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			5.05 g	5 mL	104766	03/07/25 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104843	03/10/25 17:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105037	03/10/25 17:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105231	03/13/25 04:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	104819	03/09/25 21:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105107	03/13/25 04:14	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	104851	03/10/25 09:30	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	104887	03/11/25 23:25	SMC	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

Laboratory: Eurofins Midland

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

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

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

Method Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55332-1
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-55332-1	S-1 (0-1')	Solid	03/06/25 00:00	03/07/25 10:21
880-55332-2	S-1 (1.5')	Solid	03/06/25 00:00	03/07/25 10:21
880-55332-3	S-1 (2')	Solid	03/06/25 00:00	03/07/25 10:21
880-55332-4	S-1 (3')	Solid	03/06/25 00:00	03/07/25 10:21
880-55332-5	S-2 (0-1')	Solid	03/06/25 00:00	03/07/25 10:21
880-55332-6	S-2 (1.5')	Solid	03/06/25 00:00	03/07/25 10:21
880-55332-7	S-3 (0-1')	Solid	03/06/25 00:00	03/07/25 10:21
880-55332-8	S-3 (1.5')	Solid	03/06/25 00:00	03/07/25 10:21
880-55332-9	S-3 (2')	Solid	03/06/25 00:00	03/07/25 10:21
880-55332-10	S-4 (0-1')	Solid	03/06/25 00:00	03/07/25 10:21
880-55332-11	S-4 (1.5')	Solid	03/06/25 00:00	03/07/25 10:21
880-55332-12	S-4 (2')	Solid	03/06/25 00:00	03/07/25 10:21

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- 12
- 13
- 14

Chain of Custody



880-55332 Chain of Custody

Page 1 of 2

Project Manager:	Conner Moehring	Bill to: (if different)	Camrona Resources
Company Name:	Camrona 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@camronaresources.com

Work Order Comments	
Program: UST/PST	PRP
State of Project:	Level II
Reporting Level II	Level III
Deliverables: EDD	ADAPT
Other:	

Project Name:		Copperhead Fee A 3H		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes		
Project Number:	2671	☒ Routine	☐ Rush												None: NO	DI Water: H ₂ O			
Project Location:	Eddy County, New Mexico			Due Date:											Cool: Cool	MeOH: Me			
Sampler's Name:	JIM														HCL: HC	HNO ₃ : HN			
PO #:															H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT				Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐												
Received Intact:				Yes ☒ No ☐	Thermometer ID:														
Cooler Custody Seals:				Yes ☐ No ☒ N/A	Correction Factor:														
Sample Custody Seals:				Yes ☐ No ☒ N/A	Temperature Reading:														
Total Containers:				2	Corrected Temperature:														
Sample Identification		Date	Time	Soil	Water	Grab/ Comp	# of Cont											Sample Comments	
S-1 (0-1')		3/6/2025		X		G	1	X	X	X									
S-1 (1.5')		3/6/2025		X		G	1	X	X	X									
S-1 (2')		3/6/2025		X		G	1	X	X	X									
S-1 (3')		3/6/2025		X		G	1	X	X	X									
S-2 (0-1')		3/6/2025		X		G	1	X	X	X									
S-2 (1.5')		3/6/2025		X		G	1	X	X	X									
S-3 (0-1')		3/6/2025		X		G	1	X	X	X									
S-3 (1.5')		3/6/2025		X		G	1	X	X	X									
S-3 (2')		3/6/2025		X		G	1	X	X	X									
S-4 (0-1')		3/6/2025		X		G	1	X	X	X									
								BTEX 8021B			TPH 8015M (GRO + DRO + MRO)			Chloride 300.0					

Comments: Email to Mike Camrona / mcarmona@camronaresources.com and Conner Moehring / Cmoehring@camronaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	3/17/25 10:21		3/17/25 10:21

Chain of Custody

Work Order No: 55332

Page 2 of 2

Project Manager:	Conner Moehring	Bill to: (if different)	Camrona Resources
Company Name:	Camrona 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:	mcamrona@camronaresources.com

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

[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
	3/1/25 10:21		3/25 0:17

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-55332-1

SDG Number: Eddy County NM

Login Number: 55332

List Number: 1

Creator: Kramer, Jessica

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/13/2025 12:30:54 PM

JOB DESCRIPTION

Copperhead Fee A 3H
Eddy County NM

JOB NUMBER

880-55333-1

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
3/13/2025 12:30:54 PM

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

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Laboratory Job ID: 880-55333-1
SDG: Eddy County NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55333-1
SDG: Eddy County NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Copperhead Fee A 3H

Job ID: 880-55333-1

Job ID: 880-55333-1

Eurofins Midland

Job Narrative 880-55333-1

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

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

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

Receipt

The samples were received on 3/7/2025 10:21 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.7°C.

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-104766 and analytical batch 880-104843 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-104766 and analytical batch 880-104843 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-1 (0-0.5') (880-55333-1), H-2 (0-0.5') (880-55333-2), H-4 (0-0.5') (880-55333-4), H-5 (0-0.5') (880-55333-5) and H-6 (0-0.5') (880-55333-6). 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

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-104851 and analytical batch 880-104887 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: H-1 (0-0.5') (880-55333-1), H-2 (0-0.5') (880-55333-2), H-3 (0-0.5') (880-55333-3), H-4 (0-0.5') (880-55333-4), H-5 (0-0.5') (880-55333-5), H-6 (0-0.5') (880-55333-6), (880-55332-A-9-C), (880-55332-A-9-D MS) and (880-55332-A-9-E MSD).

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55333-1
SDG: Eddy County NM

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

Lab Sample ID: 880-55333-1

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:33	03/10/25 18:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:33	03/10/25 18:17	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		03/07/25 12:33	03/10/25 18:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/07/25 12:33	03/10/25 18:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:33	03/10/25 18:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/07/25 12:33	03/10/25 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	03/07/25 12:33	03/10/25 18:17	1
1,4-Difluorobenzene (Surr)	113		70 - 130	03/07/25 12:33	03/10/25 18:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/10/25 18:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			03/13/25 04:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		03/09/25 21:05	03/13/25 04:29	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		03/09/25 21:05	03/13/25 04:29	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		03/09/25 21:05	03/13/25 04:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	03/09/25 21:05	03/13/25 04:29	1
o-Terphenyl	70		70 - 130	03/09/25 21:05	03/13/25 04:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.3		10.0		mg/Kg			03/11/25 23:31	1

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

Lab Sample ID: 880-55333-2

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 18:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 18:38	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		03/07/25 12:33	03/10/25 18:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/07/25 12:33	03/10/25 18:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 18:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/07/25 12:33	03/10/25 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	03/07/25 12:33	03/10/25 18:38	1
1,4-Difluorobenzene (Surr)	108		70 - 130	03/07/25 12:33	03/10/25 18:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55333-1
SDG: Eddy County NM

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

Lab Sample ID: 880-55333-2

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/10/25 18:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/13/25 04:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/09/25 21:05	03/13/25 04:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/09/25 21:05	03/13/25 04:44	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/09/25 21:05	03/13/25 04:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				03/09/25 21:05	03/13/25 04:44	1
o-Terphenyl	74		70 - 130				03/09/25 21:05	03/13/25 04:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.7		9.98		mg/Kg			03/11/25 23:37	1

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

Lab Sample ID: 880-55333-3

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/07/25 12:33	03/10/25 18:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/07/25 12:33	03/10/25 18:58	1
Ethylbenzene	<0.00201	U *	0.00201		mg/Kg		03/07/25 12:33	03/10/25 18:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/07/25 12:33	03/10/25 18:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/07/25 12:33	03/10/25 18:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/07/25 12:33	03/10/25 18:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				03/07/25 12:33	03/10/25 18:58	1
1,4-Difluorobenzene (Surr)	107		70 - 130				03/07/25 12:33	03/10/25 18:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/10/25 18:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/13/25 04:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/09/25 21:05	03/13/25 04:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/09/25 21:05	03/13/25 04:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55333-1
SDG: Eddy County NM

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

Lab Sample ID: 880-55333-3

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/09/25 21:05	03/13/25 04:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				03/09/25 21:05	03/13/25 04:59	1
o-Terphenyl	81		70 - 130				03/09/25 21:05	03/13/25 04:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.7		9.98		mg/Kg			03/11/25 23:43	1

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

Lab Sample ID: 880-55333-4

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:33	03/10/25 19:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:33	03/10/25 19:18	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		03/07/25 12:33	03/10/25 19:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/07/25 12:33	03/10/25 19:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:33	03/10/25 19:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/07/25 12:33	03/10/25 19:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				03/07/25 12:33	03/10/25 19:18	1
1,4-Difluorobenzene (Surr)	104		70 - 130				03/07/25 12:33	03/10/25 19:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/10/25 19:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/13/25 05:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/09/25 21:05	03/13/25 05:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/09/25 21:05	03/13/25 05:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/09/25 21:05	03/13/25 05:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				03/09/25 21:05	03/13/25 05:13	1
o-Terphenyl	75		70 - 130				03/09/25 21:05	03/13/25 05:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.9		10.0		mg/Kg			03/11/25 23:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55333-1
SDG: Eddy County NM

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

Lab Sample ID: 880-55333-5

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:33	03/10/25 19:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:33	03/10/25 19:39	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		03/07/25 12:33	03/10/25 19:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/07/25 12:33	03/10/25 19:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:33	03/10/25 19:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/07/25 12:33	03/10/25 19:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130	03/07/25 12:33	03/10/25 19:39	1
1,4-Difluorobenzene (Surr)	115		70 - 130	03/07/25 12:33	03/10/25 19:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/10/25 19:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/13/25 05:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/09/25 21:05	03/13/25 05:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/09/25 21:05	03/13/25 05:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/09/25 21:05	03/13/25 05:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	03/09/25 21:05	03/13/25 05:28	1
o-Terphenyl	72		70 - 130	03/09/25 21:05	03/13/25 05:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.7		9.94		mg/Kg			03/11/25 23:54	1

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

Lab Sample ID: 880-55333-6

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 19:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 19:59	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		03/07/25 12:33	03/10/25 19:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/07/25 12:33	03/10/25 19:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 19:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/07/25 12:33	03/10/25 19:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	03/07/25 12:33	03/10/25 19:59	1
1,4-Difluorobenzene (Surr)	105		70 - 130	03/07/25 12:33	03/10/25 19:59	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55333-1
SDG: Eddy County NM

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

Lab Sample ID: 880-55333-6

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/10/25 19:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/13/25 05:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/09/25 21:05	03/13/25 05:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/09/25 21:05	03/13/25 05:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/09/25 21:05	03/13/25 05:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				03/09/25 21:05	03/13/25 05:43	1
o-Terphenyl	70		70 - 130				03/09/25 21:05	03/13/25 05:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.3		9.98		mg/Kg			03/12/25 00:00	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55333-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-55332-A-1-A MS	Matrix Spike	116	102
880-55332-A-1-B MSD	Matrix Spike Duplicate	115	98
880-55333-1	H-1 (0-0.5')	137 S1+	113
880-55333-2	H-2 (0-0.5')	133 S1+	108
880-55333-3	H-3 (0-0.5')	127	107
880-55333-4	H-4 (0-0.5')	131 S1+	104
880-55333-5	H-5 (0-0.5')	141 S1+	115
880-55333-6	H-6 (0-0.5')	134 S1+	105
LCS 880-104766/1-A	Lab Control Sample	101	102
LCSD 880-104766/2-A	Lab Control Sample Dup	103	93
MB 880-104766/5-A	Method Blank	228 S1+	131 S1+
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)
880-55332-A-11-C MS	Matrix Spike	90	78
880-55332-A-11-D MSD	Matrix Spike Duplicate	92	78
880-55333-1	H-1 (0-0.5')	77	70
880-55333-2	H-2 (0-0.5')	82	74
880-55333-3	H-3 (0-0.5')	90	81
880-55333-4	H-4 (0-0.5')	85	75
880-55333-5	H-5 (0-0.5')	80	72
880-55333-6	H-6 (0-0.5')	79	70
LCS 880-104819/2-A	Lab Control Sample	119	109
LCSD 880-104819/3-A	Lab Control Sample Dup	121	108
MB 880-104819/1-A	Method Blank	95	85
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55333-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-104766/5-A

Matrix: Solid

Analysis Batch: 104843

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 104766

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 12:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 12:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 12:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/07/25 12:33	03/10/25 12:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:33	03/10/25 12:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/07/25 12:33	03/10/25 12:14	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	228	S1+	70 - 130	03/07/25 12:33	03/10/25 12:14	1
1,4-Difluorobenzene (Surr)	131	S1+	70 - 130	03/07/25 12:33	03/10/25 12:14	1

Lab Sample ID: LCS 880-104766/1-A

Matrix: Solid

Analysis Batch: 104843

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 104766

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.08799		mg/Kg		88	70 - 130
Toluene	0.100	0.08598		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.06890	*-	mg/Kg		69	70 - 130
m-Xylene & p-Xylene	0.200	0.1813		mg/Kg		91	70 - 130
o-Xylene	0.100	0.09300		mg/Kg		93	70 - 130

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

Lab Sample ID: LCSD 880-104766/2-A

Matrix: Solid

Analysis Batch: 104843

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 104766

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Benzene	0.100	0.09227		mg/Kg		92	70 - 130	5	35
Toluene	0.100	0.09273		mg/Kg		93	70 - 130	8	35
Ethylbenzene	0.100	0.09550		mg/Kg		95	70 - 130	32	35
m-Xylene & p-Xylene	0.200	0.1965		mg/Kg		98	70 - 130	8	35
o-Xylene	0.100	0.09514		mg/Kg		95	70 - 130	2	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 880-55332-A-1-A MS

Matrix: Solid

Analysis Batch: 104843

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 104766

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	<0.00200	U	0.100	0.1024		mg/Kg		102	70 - 130
Toluene	<0.00200	U	0.100	0.09894		mg/Kg		99	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55333-1
SDG: Eddy County NM

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

Lab Sample ID: 880-55332-A-1-A MS

Matrix: Solid

Analysis Batch: 104843

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 104766

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U *	0.100	0.08666		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1942		mg/Kg		97	70 - 130
o-Xylene	<0.00200	U	0.100	0.09604		mg/Kg		96	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-55332-A-1-B MSD

Matrix: Solid

Analysis Batch: 104843

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 104766

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	0.1006		mg/Kg		101	70 - 130	2	35
Toluene	<0.00200	U	0.100	0.08591		mg/Kg		86	70 - 130	14	35
Ethylbenzene	<0.00200	U *	0.100	0.07875		mg/Kg		79	70 - 130	10	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1793		mg/Kg		90	70 - 130	8	35
o-Xylene	<0.00200	U	0.100	0.09175		mg/Kg		92	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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

Lab Sample ID: MB 880-104819/1-A

Matrix: Solid

Analysis Batch: 105107

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 104819

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/09/25 21:05	03/13/25 02:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/09/25 21:05	03/13/25 02:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/09/25 21:05	03/13/25 02:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	03/09/25 21:05	03/13/25 02:46	1
o-Terphenyl	85		70 - 130	03/09/25 21:05	03/13/25 02:46	1

Lab Sample ID: LCS 880-104819/2-A

Matrix: Solid

Analysis Batch: 105107

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 104819

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	828.8		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	883.7		mg/Kg		88	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55333-1
SDG: Eddy County NM

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

Lab Sample ID: LCS 880-104819/2-A

Matrix: Solid

Analysis Batch: 105107

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 104819

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: LCSD 880-104819/3-A

Matrix: Solid

Analysis Batch: 105107

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 104819

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	822.9		mg/Kg		82	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	906.6		mg/Kg		91	70 - 130	3	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 880-55332-A-11-C MS

Matrix: Solid

Analysis Batch: 105107

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 104819

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	994	841.7		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	994	756.0		mg/Kg		76	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	78		70 - 130

Lab Sample ID: 880-55332-A-11-D MSD

Matrix: Solid

Analysis Batch: 105107

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 104819

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	994	872.7		mg/Kg		88	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	994	795.7		mg/Kg		80	70 - 130	5	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	78		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55333-1
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-104851/1-A
Matrix: Solid
Analysis Batch: 104887

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			03/11/25 17:41	1

Lab Sample ID: LCS 880-104851/2-A
Matrix: Solid
Analysis Batch: 104887

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	261.9		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-104851/3-A
Matrix: Solid
Analysis Batch: 104887

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	262.6		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-55332-A-9-D MS
Matrix: Solid
Analysis Batch: 104887

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	146	F1	251	437.8	F1	mg/Kg		116	90 - 110

Lab Sample ID: 880-55332-A-9-E MSD
Matrix: Solid
Analysis Batch: 104887

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	146	F1	251	436.5	F1	mg/Kg		116	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55333-1
SDG: Eddy County NM

GC VOA

Prep Batch: 104766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55333-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-55333-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-55333-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-55333-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-55333-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-55333-6	H-6 (0-0.5')	Total/NA	Solid	5035	
MB 880-104766/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-104766/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-104766/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-55332-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-55332-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 104843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55333-1	H-1 (0-0.5')	Total/NA	Solid	8021B	104766
880-55333-2	H-2 (0-0.5')	Total/NA	Solid	8021B	104766
880-55333-3	H-3 (0-0.5')	Total/NA	Solid	8021B	104766
880-55333-4	H-4 (0-0.5')	Total/NA	Solid	8021B	104766
880-55333-5	H-5 (0-0.5')	Total/NA	Solid	8021B	104766
880-55333-6	H-6 (0-0.5')	Total/NA	Solid	8021B	104766
MB 880-104766/5-A	Method Blank	Total/NA	Solid	8021B	104766
LCS 880-104766/1-A	Lab Control Sample	Total/NA	Solid	8021B	104766
LCSD 880-104766/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	104766
880-55332-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	104766
880-55332-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	104766

Analysis Batch: 105038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55333-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-55333-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-55333-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-55333-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-55333-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-55333-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 104819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55333-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-55333-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-55333-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-55333-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-55333-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-55333-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-104819/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-104819/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-104819/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-55332-A-11-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-55332-A-11-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55333-1
SDG: Eddy County NM

GC Semi VOA

Analysis Batch: 105107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55333-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	104819
880-55333-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	104819
880-55333-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	104819
880-55333-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	104819
880-55333-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	104819
880-55333-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	104819
MB 880-104819/1-A	Method Blank	Total/NA	Solid	8015B NM	104819
LCS 880-104819/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	104819
LCSD 880-104819/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	104819
880-55332-A-11-C MS	Matrix Spike	Total/NA	Solid	8015B NM	104819
880-55332-A-11-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	104819

Analysis Batch: 105232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55333-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-55333-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-55333-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-55333-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-55333-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-55333-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 104851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55333-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-55333-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-55333-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-55333-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-55333-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-55333-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-104851/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-104851/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-104851/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-55332-A-9-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-55332-A-9-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 104887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55333-1	H-1 (0-0.5')	Soluble	Solid	300.0	104851
880-55333-2	H-2 (0-0.5')	Soluble	Solid	300.0	104851
880-55333-3	H-3 (0-0.5')	Soluble	Solid	300.0	104851
880-55333-4	H-4 (0-0.5')	Soluble	Solid	300.0	104851
880-55333-5	H-5 (0-0.5')	Soluble	Solid	300.0	104851
880-55333-6	H-6 (0-0.5')	Soluble	Solid	300.0	104851
MB 880-104851/1-A	Method Blank	Soluble	Solid	300.0	104851
LCS 880-104851/2-A	Lab Control Sample	Soluble	Solid	300.0	104851
LCSD 880-104851/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	104851
880-55332-A-9-D MS	Matrix Spike	Soluble	Solid	300.0	104851
880-55332-A-9-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	104851

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55333-1
SDG: Eddy County NM

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

Lab Sample ID: 880-55333-1

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

Prep 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	104766	03/07/25 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104843	03/10/25 18:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105038	03/10/25 18:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105232	03/13/25 04:29	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	104819	03/09/25 21:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105107	03/13/25 04:29	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	104851	03/10/25 09:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104887	03/11/25 23:31	SMC	EET MID

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

Lab Sample ID: 880-55333-2

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

Prep 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	104766	03/07/25 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104843	03/10/25 18:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105038	03/10/25 18:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105232	03/13/25 04:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	104819	03/09/25 21:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105107	03/13/25 04:44	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	104851	03/10/25 09:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104887	03/11/25 23:37	SMC	EET MID

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

Lab Sample ID: 880-55333-3

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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	104766	03/07/25 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104843	03/10/25 18:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105038	03/10/25 18:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105232	03/13/25 04:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	104819	03/09/25 21:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105107	03/13/25 04:59	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	104851	03/10/25 09:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104887	03/11/25 23:43	SMC	EET MID

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

Lab Sample ID: 880-55333-4

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

Prep 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	104766	03/07/25 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104843	03/10/25 19:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105038	03/10/25 19:18	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55333-1
SDG: Eddy County NM

Client Sample ID: H-4 (0-0.5')
Date Collected: 03/06/25 00:00
Date Received: 03/07/25 10:21

Lab Sample ID: 880-55333-4
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			105232	03/13/25 05:13	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	104819	03/09/25 21:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105107	03/13/25 05:13	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	104851	03/10/25 09:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104887	03/11/25 23:48	SMC	EET MID

Client Sample ID: H-5 (0-0.5')
Date Collected: 03/06/25 00:00
Date Received: 03/07/25 10:21

Lab Sample ID: 880-55333-5
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			5.03 g	5 mL	104766	03/07/25 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104843	03/10/25 19:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105038	03/10/25 19:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105232	03/13/25 05:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	104819	03/09/25 21:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105107	03/13/25 05:28	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	104851	03/10/25 09:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104887	03/11/25 23:54	SMC	EET MID

Client Sample ID: H-6 (0-0.5')
Date Collected: 03/06/25 00:00
Date Received: 03/07/25 10:21

Lab Sample ID: 880-55333-6
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			5.01 g	5 mL	104766	03/07/25 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104843	03/10/25 19:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105038	03/10/25 19:59	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105232	03/13/25 05:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	104819	03/09/25 21:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105107	03/13/25 05:43	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	104851	03/10/25 09:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104887	03/12/25 00:00	SMC	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55333-1
SDG: Eddy County NM

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55333-1
SDG: Eddy County NM

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H

Job ID: 880-55333-1
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-55333-1	H-1 (0-0.5')	Solid	03/06/25 00:00	03/07/25 10:21
880-55333-2	H-2 (0-0.5')	Solid	03/06/25 00:00	03/07/25 10:21
880-55333-3	H-3 (0-0.5')	Solid	03/06/25 00:00	03/07/25 10:21
880-55333-4	H-4 (0-0.5')	Solid	03/06/25 00:00	03/07/25 10:21
880-55333-5	H-5 (0-0.5')	Solid	03/06/25 00:00	03/07/25 10:21
880-55333-6	H-6 (0-0.5')	Solid	03/06/25 00:00	03/07/25 10:21

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Chain of Custody



880-55333 Chain of Custody

Page 1 of 1

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

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

Project Name:		Copperhead Fee A 3H		Turn Around		ANALYSIS REQUEST												Preservative Codes	
Project Number:		2671		☒ Routine	☐ Rush	Pres. Code											None: NO	DI Water: H ₂ O	
Project Location:	Eddy County, New Mexico			Due Date:													Cool: Cool	MeOH: Me	
Sampler's Name:	JM																HCL: HC	HNO ₃ : HN	
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Thermometer ID:	Yes ☒ No ☐	Well Ice:	Yes ☒ No ☐	Parameters										H ₃ PO ₄ : HP	
Received Inact:	Yes ☒ No ☐			Correction Factor:	Yes ☒ No ☐													NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes ☒ No ☐			Temperature Reading:	Yes ☒ No ☐													Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes ☒ No ☐			Corrected Temperature:	Yes ☒ No ☐													Zn Acetate+NaOH: Zn	
Total Containers:	2																	NaOH+Ascorbic Acid: SAPC	
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
H-1 (0-0.5')		3/6/2025		X		G	1	X	X	X									
H-2 (0-0.5')		3/6/2025		X		G	1	X	X	X									
H-3 (0-0.5')		3/6/2025		X		G	1	X	X	X									
H-4 (0-0.5')		3/6/2025		X		G	1	X	X	X									
H-5 (0-0.5')		3/6/2025		X		G	1	X	X	X									
H-6 (0-0.5')		3/6/2025		X		G	1	X	X	X									
								</											

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

Relinquished by: (Signature)		Date/Time	3/19/25 10:21	Received by: (Signature)		Date/Time	3/19/25 10:21
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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-55333-1

SDG Number: Eddy County NM

Login Number: 55333

List Number: 1

Creator: Kramer, Jessica

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/26/2025 4:38:36 PM

JOB DESCRIPTION

Copperhead Fee A 3H (02.12.25)
Eddy County, New Mexico

JOB NUMBER

880-61914-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
8/26/2025 4:38:36 PM

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

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Laboratory Job ID: 880-61914-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61914-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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 Fee A 3H (02.12.25)

Job ID: 880-61914-1

Job ID: 880-61914-1

Eurofins Midland

Job Narrative 880-61914-1

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 8/25/2025 3:35 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°C.

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-117538 and analytical batch 880-117545 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: (CCV 880-117545/2), (LCS 880-117538/1-A), (LCSD 880-117538/2-A), (MB 880-117538/5-A), (880-61915-A-21-F), (880-61915-A-21-D MS) and (880-61915-A-21-E 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

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 Fee A 3H (02.12.25)

Job ID: 880-61914-1
SDG: Eddy County, New Mexico

Client Sample ID: Backfill

Lab Sample ID: 880-61914-1

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/26/25 07:50	08/26/25 13:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/26/25 07:50	08/26/25 13:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/26/25 07:50	08/26/25 13:48	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		08/26/25 07:50	08/26/25 13:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/26/25 07:50	08/26/25 13:48	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/26/25 07:50	08/26/25 13:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	08/26/25 07:50	08/26/25 13:48	1
1,4-Difluorobenzene (Surr)	86		70 - 130	08/26/25 07:50	08/26/25 13:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/26/25 13:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/26/25 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/22/25 09:30	08/26/25 14:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/22/25 09:30	08/26/25 14:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/22/25 09:30	08/26/25 14:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	75		70 - 130	08/22/25 09:30	08/26/25 14:01	1
o-Terphenyl (Surr)	73		70 - 130	08/22/25 09:30	08/26/25 14:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.90	U	9.90		mg/Kg			08/25/25 22:14	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61914-1
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)
880-61914-1	Backfill	106	86
880-61915-A-21-D MS	Matrix Spike	159 S1+	84
880-61915-A-21-E MSD	Matrix Spike Duplicate	154 S1+	85
LCS 880-117538/1-A	Lab Control Sample	154 S1+	86
LCSD 880-117538/2-A	Lab Control Sample Dup	157 S1+	87
MB 880-117538/5-A	Method Blank	156 S1+	79
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-61815-A-1-D MS	Matrix Spike	92	85
880-61815-A-1-E MSD	Matrix Spike Duplicate	75	83
880-61914-1	Backfill	75	73
LCS 880-117346/2-A	Lab Control Sample	111	105
LCSD 880-117346/3-A	Lab Control Sample Dup	89	101
MB 880-117346/1-A	Method Blank	91	94
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61914-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-117538/5-A

Matrix: Solid

Analysis Batch: 117545

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117538

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/25 07:50	08/26/25 12:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/25 07:50	08/26/25 12:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/25 07:50	08/26/25 12:05	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/26/25 07:50	08/26/25 12:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/25 07:50	08/26/25 12:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/26/25 07:50	08/26/25 12:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	156	S1+	70 - 130	08/26/25 07:50	08/26/25 12:05	1
1,4-Difluorobenzene (Surr)	79		70 - 130	08/26/25 07:50	08/26/25 12:05	1

Lab Sample ID: LCS 880-117538/1-A

Matrix: Solid

Analysis Batch: 117545

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1131		mg/Kg		113	70 - 130
Toluene	0.100	0.1097		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.1152		mg/Kg		115	70 - 130
m,p-Xylenes	0.200	0.2269		mg/Kg		113	70 - 130
o-Xylene	0.100	0.09381		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: LCSD 880-117538/2-A

Matrix: Solid

Analysis Batch: 117545

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117538

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1141		mg/Kg		114	70 - 130	1	35
Toluene	0.100	0.1113		mg/Kg		111	70 - 130	2	35
Ethylbenzene	0.100	0.1160		mg/Kg		116	70 - 130	1	35
m,p-Xylenes	0.200	0.2307		mg/Kg		115	70 - 130	2	35
o-Xylene	0.100	0.09519		mg/Kg		95	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	157	S1+	70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 880-61915-A-21-D MS

Matrix: Solid

Analysis Batch: 117545

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 117538

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.100	0.06654	F1	mg/Kg		67	70 - 130
Toluene	<0.00200	U F1	0.100	0.06860	F1	mg/Kg		69	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61914-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-61915-A-21-D MS

Matrix: Solid

Analysis Batch: 117545

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 117538

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.07270		mg/Kg		73	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1451		mg/Kg		73	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.06325	F1	mg/Kg		63	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	159	S1+	70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: 880-61915-A-21-E MSD

Matrix: Solid

Analysis Batch: 117545

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 117538

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	0.08725		mg/Kg		87	70 - 130	27	35
Toluene	<0.00200	U F1	0.100	0.08568		mg/Kg		86	70 - 130	22	35
Ethylbenzene	<0.00200	U	0.100	0.08900		mg/Kg		89	70 - 130	20	35
m,p-Xylenes	<0.00399	U	0.200	0.1753		mg/Kg		88	70 - 130	19	35
o-Xylene	<0.00200	U F1	0.100	0.07321		mg/Kg		73	70 - 130	15	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

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

Lab Sample ID: MB 880-117346/1-A

Matrix: Solid

Analysis Batch: 117571

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/22/25 09:30	08/26/25 11:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/22/25 09:30	08/26/25 11:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/22/25 09:30	08/26/25 11:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130	08/22/25 09:30	08/26/25 11:20	1
o-Terphenyl (Surr)	94		70 - 130	08/22/25 09:30	08/26/25 11:20	1

Lab Sample ID: LCS 880-117346/2-A

Matrix: Solid

Analysis Batch: 117571

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1047		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1061		mg/Kg		106	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61914-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-117346/2-A

Matrix: Solid

Analysis Batch: 117571

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117346

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	111		70 - 130
o-Terphenyl (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-117346/3-A

Matrix: Solid

Analysis Batch: 117571

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117346

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1026		mg/Kg		103	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1055		mg/Kg		105	70 - 130	1	20
Surrogate		LCSD	LCSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	89		70 - 130								
o-Terphenyl (Surr)	101		70 - 130								

Lab Sample ID: 880-61815-A-1-D MS

Matrix: Solid

Analysis Batch: 117571

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 117346

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	880.0		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	862.0		mg/Kg		83	70 - 130		
Surrogate		MS	MS								
	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	92		70 - 130								
o-Terphenyl (Surr)	85		70 - 130								

Lab Sample ID: 880-61815-A-1-E MSD

Matrix: Solid

Analysis Batch: 117571

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 117346

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	861.1		mg/Kg		86	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	893.5		mg/Kg		86	70 - 130	4	20
Surrogate		MSD	MSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	75		70 - 130								
o-Terphenyl (Surr)	83		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61914-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-117533/1-A

Matrix: Solid

Analysis Batch: 117535

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			08/25/25 21:34	1

Lab Sample ID: LCS 880-117533/2-A

Matrix: Solid

Analysis Batch: 117535

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	231.8		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-117533/3-A

Matrix: Solid

Analysis Batch: 117535

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	228.9		mg/Kg		92	90 - 110	1	20

Lab Sample ID: 880-61915-A-8-C MS

Matrix: Solid

Analysis Batch: 117535

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	38.7		251	274.9		mg/Kg		94	90 - 110

Lab Sample ID: 880-61915-A-8-D MSD

Matrix: Solid

Analysis Batch: 117535

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	38.7		251	273.4		mg/Kg		94	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61914-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 117538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61914-1	Backfill	Total/NA	Solid	5035	
MB 880-117538/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-117538/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-117538/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-61915-A-21-D MS	Matrix Spike	Total/NA	Solid	5035	
880-61915-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 117545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61914-1	Backfill	Total/NA	Solid	8021B	117538
MB 880-117538/5-A	Method Blank	Total/NA	Solid	8021B	117538
LCS 880-117538/1-A	Lab Control Sample	Total/NA	Solid	8021B	117538
LCSD 880-117538/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	117538
880-61915-A-21-D MS	Matrix Spike	Total/NA	Solid	8021B	117538
880-61915-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	117538

Analysis Batch: 117621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61914-1	Backfill	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 117346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61914-1	Backfill	Total/NA	Solid	8015NM Prep	
MB 880-117346/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-117346/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-117346/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-61815-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-61815-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 117571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61914-1	Backfill	Total/NA	Solid	8015B NM	117346
MB 880-117346/1-A	Method Blank	Total/NA	Solid	8015B NM	117346
LCS 880-117346/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	117346
LCSD 880-117346/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	117346
880-61815-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	117346
880-61815-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	117346

Analysis Batch: 117645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61914-1	Backfill	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 117533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61914-1	Backfill	Soluble	Solid	DI Leach	
MB 880-117533/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-117533/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-117533/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61914-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 117533 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61915-A-8-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-61915-A-8-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 117535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61914-1	Backfill	Soluble	Solid	300.0	117533
MB 880-117533/1-A	Method Blank	Soluble	Solid	300.0	117533
LCS 880-117533/2-A	Lab Control Sample	Soluble	Solid	300.0	117533
LCSD 880-117533/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	117533
880-61915-A-8-C MS	Matrix Spike	Soluble	Solid	300.0	117533
880-61915-A-8-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	117533

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61914-1
SDG: Eddy County, New Mexico

Client Sample ID: Backfill
Date Collected: 08/21/25 00:00
Date Received: 08/25/25 15:35

Lab Sample ID: 880-61914-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	117538	08/26/25 07:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117545	08/26/25 13:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117621	08/26/25 13:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			117645	08/26/25 14:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	117346	08/22/25 09:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117571	08/26/25 14:01	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	117533	08/25/25 17:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	117535	08/25/25 22:14	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 Fee A 3H (02.12.25)

Job ID: 880-61914-1
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 Fee A 3H (02.12.25)

Job ID: 880-61914-1
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 Fee A 3H (02.12.25)

Job ID: 880-61914-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-61914-1	Backfill	Solid	08/21/25 00:00	08/25/25 15:35	New Mexico

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Chain of Custody



880-61914 Chain of Custody

Page 1 of 1

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

Project Manager:	Conner Moechnig		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
<i>Don Baker</i>	8/15/15 @ 15:35	<i>[Signature]</i>	8/25/15 15:35

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-61914-1

SDG Number: Eddy County, New Mexico

Login Number: 61914

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/26/2025 4:39:05 PM

JOB DESCRIPTION

Copperhead Fee A 3H (02.12.25)
Eddy County, New Mexico

JOB NUMBER

880-61915-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
8/26/2025 4:39:05 PM

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

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Laboratory Job ID: 880-61915-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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 Fee A 3H (02.12.25)

Job ID: 880-61915-1

Job ID: 880-61915-1

Eurofins Midland

Job Narrative
880-61915-1

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 8/25/2025 3:35 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°C.

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-117559 and analytical batch 880-117430 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-9 (3') (880-61915-21), SW-10 (3') (880-61915-22), SW-11 (3') (880-61915-23), SW-12 (3') (880-61915-24), (CCV 880-117545/2), (LCS 880-117538/1-A), (LCSD 880-117538/2-A), (880-61915-A-21-D MS) and (880-61915-A-21-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-117538 and analytical batch 880-117545 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-117538 and analytical batch 880-117545 was outside the upper control limits.

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

Diesel Range Organics

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (3')

Lab Sample ID: 880-61915-1

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		08/25/25 17:00	08/25/25 23:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/25 17:00	08/25/25 23:14	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		08/25/25 17:00	08/25/25 23:14	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		08/25/25 17:00	08/25/25 23:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/25 17:00	08/25/25 23:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/25/25 17:00	08/25/25 23:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	08/25/25 17:00	08/25/25 23:14	1
1,4-Difluorobenzene (Surr)	116		70 - 130	08/25/25 17:00	08/25/25 23:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/25/25 23:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/25/25 19:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/25/25 16:47	08/25/25 19:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/25/25 16:47	08/25/25 19:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/25/25 16:47	08/25/25 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130	08/25/25 16:47	08/25/25 19:12	1
o-Terphenyl (Surr)	78		70 - 130	08/25/25 16:47	08/25/25 19:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.3		9.96		mg/Kg			08/25/25 22:20	1

Client Sample ID: CS-2 (3')

Lab Sample ID: 880-61915-2

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/25/25 17:00	08/25/25 23:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/25/25 17:00	08/25/25 23:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/25/25 17:00	08/25/25 23:35	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		08/25/25 17:00	08/25/25 23:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/25/25 17:00	08/25/25 23:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/25/25 17:00	08/25/25 23:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	08/25/25 17:00	08/25/25 23:35	1
1,4-Difluorobenzene (Surr)	109		70 - 130	08/25/25 17:00	08/25/25 23:35	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-2 (3')

Lab Sample ID: 880-61915-2

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/25/25 23:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/25/25 19:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/25/25 16:47	08/25/25 19:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/25/25 16:47	08/25/25 19:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/25/25 16:47	08/25/25 19:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130				08/25/25 16:47	08/25/25 19:58	1
o-Terphenyl (Surr)	81		70 - 130				08/25/25 16:47	08/25/25 19:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.8		9.98		mg/Kg			08/25/25 22:25	1

Client Sample ID: CS-3 (3')

Lab Sample ID: 880-61915-3

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/25/25 17:00	08/25/25 23:55	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/25/25 17:00	08/25/25 23:55	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/25/25 17:00	08/25/25 23:55	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		08/25/25 17:00	08/25/25 23:55	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/25/25 17:00	08/25/25 23:55	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/25/25 17:00	08/25/25 23:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				08/25/25 17:00	08/25/25 23:55	1
1,4-Difluorobenzene (Surr)	109		70 - 130				08/25/25 17:00	08/25/25 23:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/25/25 23:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/25/25 20:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/25 16:47	08/25/25 20:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/25 16:47	08/25/25 20:13	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-3 (3')

Lab Sample ID: 880-61915-3

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/25 16:47	08/25/25 20:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130				08/25/25 16:47	08/25/25 20:13	1
o-Terphenyl (Surr)	82		70 - 130				08/25/25 16:47	08/25/25 20:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.0		10.0		mg/Kg			08/25/25 22:42	1

Client Sample ID: CS-4 (3')

Lab Sample ID: 880-61915-4

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/25/25 17:00	08/26/25 00:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/25/25 17:00	08/26/25 00:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/25/25 17:00	08/26/25 00:16	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		08/25/25 17:00	08/26/25 00:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/25/25 17:00	08/26/25 00:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/25/25 17:00	08/26/25 00:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				08/25/25 17:00	08/26/25 00:16	1
1,4-Difluorobenzene (Surr)	119		70 - 130				08/25/25 17:00	08/26/25 00:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/26/25 00:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/25/25 20:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/25/25 16:47	08/25/25 20:29	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/25/25 16:47	08/25/25 20:29	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/25/25 16:47	08/25/25 20:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130				08/25/25 16:47	08/25/25 20:29	1
o-Terphenyl (Surr)	79		70 - 130				08/25/25 16:47	08/25/25 20:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.9		10.1		mg/Kg			08/25/25 22:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-5 (3')

Lab Sample ID: 880-61915-5

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/25/25 17:00	08/26/25 00:36	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/25/25 17:00	08/26/25 00:36	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/25/25 17:00	08/26/25 00:36	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		08/25/25 17:00	08/26/25 00:36	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/25/25 17:00	08/26/25 00:36	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/25/25 17:00	08/26/25 00:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	08/25/25 17:00	08/26/25 00:36	1
1,4-Difluorobenzene (Surr)	111		70 - 130	08/25/25 17:00	08/26/25 00:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/26/25 00:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/25/25 20:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/25 16:47	08/25/25 20:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/25 16:47	08/25/25 20:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/25 16:47	08/25/25 20:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130	08/25/25 16:47	08/25/25 20:45	1
o-Terphenyl (Surr)	80		70 - 130	08/25/25 16:47	08/25/25 20:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.9		10.1		mg/Kg			08/25/25 22:54	1

Client Sample ID: CS-6 (3')

Lab Sample ID: 880-61915-6

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/25/25 17:00	08/26/25 00:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/25/25 17:00	08/26/25 00:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/25/25 17:00	08/26/25 00:57	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		08/25/25 17:00	08/26/25 00:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/25/25 17:00	08/26/25 00:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/25/25 17:00	08/26/25 00:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	08/25/25 17:00	08/26/25 00:57	1
1,4-Difluorobenzene (Surr)	121		70 - 130	08/25/25 17:00	08/26/25 00:57	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-6 (3')

Lab Sample ID: 880-61915-6

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/26/25 00:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/25/25 21:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/25/25 16:47	08/25/25 21:00	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/25/25 16:47	08/25/25 21:00	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/25/25 16:47	08/25/25 21:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130				08/25/25 16:47	08/25/25 21:00	1
o-Terphenyl (Surr)	80		70 - 130				08/25/25 16:47	08/25/25 21:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.8		10.1		mg/Kg			08/25/25 22:59	1

Client Sample ID: CS-7 (3')

Lab Sample ID: 880-61915-7

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/25/25 17:00	08/26/25 01:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/25/25 17:00	08/26/25 01:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/25/25 17:00	08/26/25 01:18	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		08/25/25 17:00	08/26/25 01:18	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/25/25 17:00	08/26/25 01:18	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/25/25 17:00	08/26/25 01:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				08/25/25 17:00	08/26/25 01:18	1
1,4-Difluorobenzene (Surr)	105		70 - 130				08/25/25 17:00	08/26/25 01:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/26/25 01:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/25/25 21:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/25 16:47	08/25/25 21:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/25 16:47	08/25/25 21:16	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (3')

Lab Sample ID: 880-61915-7

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/25 16:47	08/25/25 21:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130				08/25/25 16:47	08/25/25 21:16	1
o-Terphenyl (Surr)	81		70 - 130				08/25/25 16:47	08/25/25 21:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.2		10.1		mg/Kg			08/25/25 23:05	1

Client Sample ID: CS-8 (3')

Lab Sample ID: 880-61915-8

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/25/25 17:00	08/26/25 01:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/25/25 17:00	08/26/25 01:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/25/25 17:00	08/26/25 01:38	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		08/25/25 17:00	08/26/25 01:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/25/25 17:00	08/26/25 01:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/25/25 17:00	08/26/25 01:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				08/25/25 17:00	08/26/25 01:38	1
1,4-Difluorobenzene (Surr)	112		70 - 130				08/25/25 17:00	08/26/25 01:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/26/25 01:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/25/25 21:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/25/25 16:47	08/25/25 21:31	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/25/25 16:47	08/25/25 21:31	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/25/25 16:47	08/25/25 21:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130				08/25/25 16:47	08/25/25 21:31	1
o-Terphenyl (Surr)	82		70 - 130				08/25/25 16:47	08/25/25 21:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.7		10.0		mg/Kg			08/25/25 23:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-9 (3')

Lab Sample ID: 880-61915-9

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/25 17:00	08/26/25 01:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/25 17:00	08/26/25 01:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/25 17:00	08/26/25 01:59	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		08/25/25 17:00	08/26/25 01:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/25 17:00	08/26/25 01:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/25/25 17:00	08/26/25 01:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	08/25/25 17:00	08/26/25 01:59	1
1,4-Difluorobenzene (Surr)	109		70 - 130	08/25/25 17:00	08/26/25 01:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/26/25 01:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/25/25 21:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/25 16:47	08/25/25 21:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/25 16:47	08/25/25 21:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/25 16:47	08/25/25 21:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130	08/25/25 16:47	08/25/25 21:47	1
o-Terphenyl (Surr)	81		70 - 130	08/25/25 16:47	08/25/25 21:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.2		9.98		mg/Kg			08/25/25 23:28	1

Client Sample ID: CS-10 (3')

Lab Sample ID: 880-61915-10

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/25/25 17:00	08/26/25 02:19	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/25/25 17:00	08/26/25 02:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/25/25 17:00	08/26/25 02:19	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		08/25/25 17:00	08/26/25 02:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/25/25 17:00	08/26/25 02:19	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/25/25 17:00	08/26/25 02:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	08/25/25 17:00	08/26/25 02:19	1
1,4-Difluorobenzene (Surr)	106		70 - 130	08/25/25 17:00	08/26/25 02:19	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-10 (3')

Lab Sample ID: 880-61915-10

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/26/25 02:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/25/25 22:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/25/25 16:47	08/25/25 22:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/25/25 16:47	08/25/25 22:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/25/25 16:47	08/25/25 22:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130				08/25/25 16:47	08/25/25 22:02	1
o-Terphenyl (Surr)	79		70 - 130				08/25/25 16:47	08/25/25 22:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.3		10.0		mg/Kg			08/25/25 23:33	1

Client Sample ID: CS-11 (3')

Lab Sample ID: 880-61915-11

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/25/25 17:00	08/26/25 03:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/25/25 17:00	08/26/25 03:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/25/25 17:00	08/26/25 03:54	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		08/25/25 17:00	08/26/25 03:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/25/25 17:00	08/26/25 03:54	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/25/25 17:00	08/26/25 03:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				08/25/25 17:00	08/26/25 03:54	1
1,4-Difluorobenzene (Surr)	109		70 - 130				08/25/25 17:00	08/26/25 03:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/26/25 03:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/25/25 22:33	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		08/25/25 16:47	08/25/25 22:33	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/25/25 16:47	08/25/25 22:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-11 (3')

Lab Sample ID: 880-61915-11

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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		08/25/25 16:47	08/25/25 22:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130				08/25/25 16:47	08/25/25 22:33	1
o-Terphenyl (Surr)	80		70 - 130				08/25/25 16:47	08/25/25 22:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.0		10.0		mg/Kg			08/25/25 23:50	1

Client Sample ID: CS-12 (3')

Lab Sample ID: 880-61915-12

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/25/25 17:00	08/26/25 04:14	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/25/25 17:00	08/26/25 04:14	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/25/25 17:00	08/26/25 04:14	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		08/25/25 17:00	08/26/25 04:14	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/25/25 17:00	08/26/25 04:14	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/25/25 17:00	08/26/25 04:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				08/25/25 17:00	08/26/25 04:14	1
1,4-Difluorobenzene (Surr)	113		70 - 130				08/25/25 17:00	08/26/25 04:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/26/25 04:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/25/25 22:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/25/25 16:47	08/25/25 22:48	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/25/25 16:47	08/25/25 22:48	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/25/25 16:47	08/25/25 22:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130				08/25/25 16:47	08/25/25 22:48	1
o-Terphenyl (Surr)	81		70 - 130				08/25/25 16:47	08/25/25 22:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.4		10.0		mg/Kg			08/25/25 23:56	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-1 (3')

Lab Sample ID: 880-61915-13

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/25/25 17:00	08/26/25 04:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/25/25 17:00	08/26/25 04:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/25/25 17:00	08/26/25 04:35	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		08/25/25 17:00	08/26/25 04:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/25/25 17:00	08/26/25 04:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/25/25 17:00	08/26/25 04:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	08/25/25 17:00	08/26/25 04:35	1
1,4-Difluorobenzene (Surr)	119		70 - 130	08/25/25 17:00	08/26/25 04:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/26/25 04:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/25/25 23:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/25 16:47	08/25/25 23:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/25 16:47	08/25/25 23:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/25 16:47	08/25/25 23:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130	08/25/25 16:47	08/25/25 23:04	1
o-Terphenyl (Surr)	79		70 - 130	08/25/25 16:47	08/25/25 23:04	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			08/26/25 00:02	1

Client Sample ID: SW-2 (3')

Lab Sample ID: 880-61915-14

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/25/25 17:00	08/26/25 04:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/25/25 17:00	08/26/25 04:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/25/25 17:00	08/26/25 04:55	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		08/25/25 17:00	08/26/25 04:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/25/25 17:00	08/26/25 04:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/25/25 17:00	08/26/25 04:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	08/25/25 17:00	08/26/25 04:55	1
1,4-Difluorobenzene (Surr)	113		70 - 130	08/25/25 17:00	08/26/25 04:55	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-2 (3')

Lab Sample ID: 880-61915-14

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/26/25 04:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/25/25 23:19	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		08/25/25 16:47	08/25/25 23:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/25 16:47	08/25/25 23:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/25 16:47	08/25/25 23:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130				08/25/25 16:47	08/25/25 23:19	1
o-Terphenyl (Surr)	78		70 - 130				08/25/25 16:47	08/25/25 23:19	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			08/26/25 00:07	1

Client Sample ID: SW-3 (3')

Lab Sample ID: 880-61915-15

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/25/25 17:00	08/26/25 05:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/25/25 17:00	08/26/25 05:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/25/25 17:00	08/26/25 05:16	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		08/25/25 17:00	08/26/25 05:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/25/25 17:00	08/26/25 05:16	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/25/25 17:00	08/26/25 05:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				08/25/25 17:00	08/26/25 05:16	1
1,4-Difluorobenzene (Surr)	110		70 - 130				08/25/25 17:00	08/26/25 05:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/26/25 05:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			08/25/25 23:35	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		08/25/25 16:47	08/25/25 23:35	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		08/25/25 16:47	08/25/25 23:35	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-3 (3')

Lab Sample ID: 880-61915-15

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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		08/25/25 16:47	08/25/25 23:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130				08/25/25 16:47	08/25/25 23:35	1
o-Terphenyl (Surr)	80		70 - 130				08/25/25 16:47	08/25/25 23:35	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			08/26/25 00:13	1

Client Sample ID: SW-4 (3')

Lab Sample ID: 880-61915-16

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/25/25 17:00	08/26/25 05:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/25/25 17:00	08/26/25 05:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/25/25 17:00	08/26/25 05:36	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		08/25/25 17:00	08/26/25 05:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/25/25 17:00	08/26/25 05:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/25/25 17:00	08/26/25 05:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				08/25/25 17:00	08/26/25 05:36	1
1,4-Difluorobenzene (Surr)	115		70 - 130				08/25/25 17:00	08/26/25 05:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/26/25 05:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/25/25 23:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/25/25 16:47	08/25/25 23:50	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/25/25 16:47	08/25/25 23:50	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/25/25 16:47	08/25/25 23:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130				08/25/25 16:47	08/25/25 23:50	1
o-Terphenyl (Surr)	82		70 - 130				08/25/25 16:47	08/25/25 23:50	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			08/26/25 00:19	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-5 (3')

Lab Sample ID: 880-61915-17

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/25 17:00	08/26/25 05:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/25 17:00	08/26/25 05:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/25 17:00	08/26/25 05:57	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		08/25/25 17:00	08/26/25 05:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/25 17:00	08/26/25 05:57	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/25/25 17:00	08/26/25 05:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	08/25/25 17:00	08/26/25 05:57	1
1,4-Difluorobenzene (Surr)	113		70 - 130	08/25/25 17:00	08/26/25 05:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/26/25 05:57	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			08/26/25 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		08/25/25 16:47	08/26/25 00:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/25 16:47	08/26/25 00:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/25 16:47	08/26/25 00:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130	08/25/25 16:47	08/26/25 00:06	1
o-Terphenyl (Surr)	83		70 - 130	08/25/25 16:47	08/26/25 00:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/26/25 00:24	1

Client Sample ID: SW-6 (3')

Lab Sample ID: 880-61915-18

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/25/25 17:00	08/26/25 06:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/25/25 17:00	08/26/25 06:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/25/25 17:00	08/26/25 06:17	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		08/25/25 17:00	08/26/25 06:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/25/25 17:00	08/26/25 06:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/25/25 17:00	08/26/25 06:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	08/25/25 17:00	08/26/25 06:17	1
1,4-Difluorobenzene (Surr)	115		70 - 130	08/25/25 17:00	08/26/25 06:17	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-6 (3')

Lab Sample ID: 880-61915-18

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/26/25 06:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/26/25 00:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/25/25 16:47	08/26/25 00:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/25/25 16:47	08/26/25 00:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/25/25 16:47	08/26/25 00:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130				08/25/25 16:47	08/26/25 00:21	1
o-Terphenyl (Surr)	82		70 - 130				08/25/25 16:47	08/26/25 00:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.2		9.96		mg/Kg			08/26/25 10:27	1

Client Sample ID: SW-7 (3')

Lab Sample ID: 880-61915-19

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/25/25 17:00	08/26/25 06:38	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/25/25 17:00	08/26/25 06:38	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/25/25 17:00	08/26/25 06:38	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		08/25/25 17:00	08/26/25 06:38	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/25/25 17:00	08/26/25 06:38	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/25/25 17:00	08/26/25 06:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				08/25/25 17:00	08/26/25 06:38	1
1,4-Difluorobenzene (Surr)	110		70 - 130				08/25/25 17:00	08/26/25 06:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/26/25 06:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/25 00:38	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		08/25/25 16:47	08/26/25 00:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/25 16:47	08/26/25 00:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-7 (3')

Lab Sample ID: 880-61915-19

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/25 16:47	08/26/25 00:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130				08/25/25 16:47	08/26/25 00:38	1
o-Terphenyl (Surr)	80		70 - 130				08/25/25 16:47	08/26/25 00:38	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			08/26/25 10:33	1

Client Sample ID: SW-8 (3')

Lab Sample ID: 880-61915-20

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/25/25 17:00	08/26/25 06:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/25/25 17:00	08/26/25 06:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/25/25 17:00	08/26/25 06:58	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		08/25/25 17:00	08/26/25 06:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/25/25 17:00	08/26/25 06:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/25/25 17:00	08/26/25 06:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				08/25/25 17:00	08/26/25 06:58	1
1,4-Difluorobenzene (Surr)	114		70 - 130				08/25/25 17:00	08/26/25 06:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/26/25 06:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/26/25 00:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/25/25 16:47	08/26/25 00:53	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/25/25 16:47	08/26/25 00:53	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/25/25 16:47	08/26/25 00:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130				08/25/25 16:47	08/26/25 00:53	1
o-Terphenyl (Surr)	82		70 - 130				08/25/25 16:47	08/26/25 00:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.8		9.98		mg/Kg			08/26/25 10:51	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-9 (3')

Lab Sample ID: 880-61915-21

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		08/26/25 07:50	08/26/25 12:26	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		08/26/25 07:50	08/26/25 12:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/25 07:50	08/26/25 12:26	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		08/26/25 07:50	08/26/25 12:26	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		08/26/25 07:50	08/26/25 12:26	1
Xylenes, Total	<0.00399	U F1	0.00399		mg/Kg		08/26/25 07:50	08/26/25 12:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	171	S1+	70 - 130	08/26/25 07:50	08/26/25 12:26	1
1,4-Difluorobenzene (Surr)	83		70 - 130	08/26/25 07:50	08/26/25 12:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/26/25 12:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/25 14:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/22/25 09:30	08/26/25 14:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/22/25 09:30	08/26/25 14:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/22/25 09:30	08/26/25 14:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	78		70 - 130	08/22/25 09:30	08/26/25 14:17	1
o-Terphenyl (Surr)	77		70 - 130	08/22/25 09:30	08/26/25 14:17	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			08/26/25 10:57	1

Client Sample ID: SW-10 (3')

Lab Sample ID: 880-61915-22

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/26/25 07:50	08/26/25 12:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/26/25 07:50	08/26/25 12:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/26/25 07:50	08/26/25 12:47	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		08/26/25 07:50	08/26/25 12:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/26/25 07:50	08/26/25 12:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/26/25 07:50	08/26/25 12:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	158	S1+	70 - 130	08/26/25 07:50	08/26/25 12:47	1
1,4-Difluorobenzene (Surr)	80		70 - 130	08/26/25 07:50	08/26/25 12:47	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-10 (3')

Lab Sample ID: 880-61915-22

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/26/25 12:47	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			08/26/25 14:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/22/25 09:30	08/26/25 14:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/22/25 09:30	08/26/25 14:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/22/25 09:30	08/26/25 14:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130				08/22/25 09:30	08/26/25 14:32	1
o-Terphenyl (Surr)	78		70 - 130				08/22/25 09:30	08/26/25 14:32	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			08/26/25 11:03	1

Client Sample ID: SW-11 (3')

Lab Sample ID: 880-61915-23

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/26/25 07:50	08/26/25 13:07	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/26/25 07:50	08/26/25 13:07	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/26/25 07:50	08/26/25 13:07	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		08/26/25 07:50	08/26/25 13:07	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/26/25 07:50	08/26/25 13:07	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/26/25 07:50	08/26/25 13:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	160	S1+	70 - 130				08/26/25 07:50	08/26/25 13:07	1
1,4-Difluorobenzene (Surr)	81		70 - 130				08/26/25 07:50	08/26/25 13:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/26/25 13:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/25 14:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/22/25 09:30	08/26/25 14:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/22/25 09:30	08/26/25 14:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-11 (3')

Lab Sample ID: 880-61915-23

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/22/25 09:30	08/26/25 14:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130				08/22/25 09:30	08/26/25 14:48	1
o-Terphenyl (Surr)	80		70 - 130				08/22/25 09:30	08/26/25 14:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.6		10.0		mg/Kg			08/26/25 11:09	1

Client Sample ID: SW-12 (3')

Lab Sample ID: 880-61915-24

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/26/25 07:50	08/26/25 13:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/26/25 07:50	08/26/25 13:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/26/25 07:50	08/26/25 13:28	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		08/26/25 07:50	08/26/25 13:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/26/25 07:50	08/26/25 13:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/26/25 07:50	08/26/25 13:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	160	S1+	70 - 130				08/26/25 07:50	08/26/25 13:28	1
1,4-Difluorobenzene (Surr)	79		70 - 130				08/26/25 07:50	08/26/25 13:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/26/25 13:28	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			08/26/25 15:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/22/25 09:30	08/26/25 15:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/22/25 09:30	08/26/25 15:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/22/25 09:30	08/26/25 15:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130				08/22/25 09:30	08/26/25 15:03	1
o-Terphenyl (Surr)	78		70 - 130				08/22/25 09:30	08/26/25 15:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.0		10.1		mg/Kg			08/26/25 11:15	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
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)
880-61915-1	CS-1 (3')	108	116
880-61915-1 MS	CS-1 (3')	103	91
880-61915-1 MSD	CS-1 (3')	110	92
880-61915-2	CS-2 (3')	104	109
880-61915-3	CS-3 (3')	110	109
880-61915-4	CS-4 (3')	111	119
880-61915-5	CS-5 (3')	108	111
880-61915-6	CS-6 (3')	114	121
880-61915-7	CS-7 (3')	109	105
880-61915-8	CS-8 (3')	111	112
880-61915-9	CS-9 (3')	116	109
880-61915-10	CS-10 (3')	102	106
880-61915-11	CS-11 (3')	108	109
880-61915-12	CS-12 (3')	106	113
880-61915-13	SW-1 (3')	113	119
880-61915-14	SW-2 (3')	111	113
880-61915-15	SW-3 (3')	107	110
880-61915-16	SW-4 (3')	117	115
880-61915-17	SW-5 (3')	113	113
880-61915-18	SW-6 (3')	114	115
880-61915-19	SW-7 (3')	118	110
880-61915-20	SW-8 (3')	122	114
880-61915-21	SW-9 (3')	171 S1+	83
880-61915-21 MS	SW-9 (3')	159 S1+	84
880-61915-21 MSD	SW-9 (3')	154 S1+	85
880-61915-22	SW-10 (3')	158 S1+	80
880-61915-23	SW-11 (3')	160 S1+	81
880-61915-24	SW-12 (3')	160 S1+	79
LCS 880-117538/1-A	Lab Control Sample	154 S1+	86
LCS 880-117559/1-A	Lab Control Sample	105	95
LCSD 880-117538/2-A	Lab Control Sample Dup	157 S1+	87
LCSD 880-117559/2-A	Lab Control Sample Dup	112	94
MB 880-117222/5-A	Method Blank	96	118
MB 880-117538/5-A	Method Blank	156 S1+	79
MB 880-117559/5-A	Method Blank	89	112

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)
880-61815-A-1-D MS	Matrix Spike	92	85
880-61815-A-1-E MSD	Matrix Spike Duplicate	75	83
880-61915-1	CS-1 (3')	80	78
880-61915-1 MS	CS-1 (3')	73	82

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-61915-1

Project/Site: Copperhead Fee A 3H (02.12.25)

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)
880-61915-1 MSD	CS-1 (3')	89	79
880-61915-2	CS-2 (3')	80	81
880-61915-3	CS-3 (3')	81	82
880-61915-4	CS-4 (3')	79	79
880-61915-5	CS-5 (3')	79	80
880-61915-6	CS-6 (3')	80	80
880-61915-7	CS-7 (3')	80	81
880-61915-8	CS-8 (3')	80	82
880-61915-9	CS-9 (3')	80	81
880-61915-10	CS-10 (3')	79	79
880-61915-11	CS-11 (3')	82	80
880-61915-12	CS-12 (3')	79	81
880-61915-13	SW-1 (3')	79	79
880-61915-14	SW-2 (3')	79	78
880-61915-15	SW-3 (3')	79	80
880-61915-16	SW-4 (3')	82	82
880-61915-17	SW-5 (3')	83	83
880-61915-18	SW-6 (3')	83	82
880-61915-19	SW-7 (3')	81	80
880-61915-20	SW-8 (3')	82	82
880-61915-21	SW-9 (3')	78	77
880-61915-22	SW-10 (3')	79	78
880-61915-23	SW-11 (3')	82	80
880-61915-24	SW-12 (3')	79	78
LCS 880-117346/2-A	Lab Control Sample	111	105
LCS 880-117532/2-A	Lab Control Sample	103	96
LCSD 880-117346/3-A	Lab Control Sample Dup	89	101
LCSD 880-117532/3-A	Lab Control Sample Dup	103	96
MB 880-117346/1-A	Method Blank	91	94
MB 880-117532/1-A	Method Blank	87	89

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-117222/5-A

Matrix: Solid

Analysis Batch: 117430

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117222

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:36	08/25/25 11:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:36	08/25/25 11:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:36	08/25/25 11:10	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/21/25 10:36	08/25/25 11:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:36	08/25/25 11:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/21/25 10:36	08/25/25 11:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	08/21/25 10:36	08/25/25 11:10	1
1,4-Difluorobenzene (Surr)	118		70 - 130	08/21/25 10:36	08/25/25 11:10	1

Lab Sample ID: MB 880-117538/5-A

Matrix: Solid

Analysis Batch: 117545

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117538

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/25 07:50	08/26/25 12:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/25 07:50	08/26/25 12:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/25 07:50	08/26/25 12:05	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/26/25 07:50	08/26/25 12:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/25 07:50	08/26/25 12:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/26/25 07:50	08/26/25 12:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	156	S1+	70 - 130	08/26/25 07:50	08/26/25 12:05	1
1,4-Difluorobenzene (Surr)	79		70 - 130	08/26/25 07:50	08/26/25 12:05	1

Lab Sample ID: LCS 880-117538/1-A

Matrix: Solid

Analysis Batch: 117545

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1131		mg/Kg		113	70 - 130
Toluene	0.100	0.1097		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.1152		mg/Kg		115	70 - 130
m,p-Xylenes	0.200	0.2269		mg/Kg		113	70 - 130
o-Xylene	0.100	0.09381		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: LCSD 880-117538/2-A

Matrix: Solid

Analysis Batch: 117545

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117538

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1141		mg/Kg		114	70 - 130	1	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-117538/2-A

Matrix: Solid

Analysis Batch: 117545

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117538

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1113		mg/Kg		111	70 - 130	2	35
Ethylbenzene	0.100	0.1160		mg/Kg		116	70 - 130	1	35
m,p-Xylenes	0.200	0.2307		mg/Kg		115	70 - 130	2	35
o-Xylene	0.100	0.09519		mg/Kg		95	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	157	S1+	70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 880-61915-21 MS

Matrix: Solid

Analysis Batch: 117545

Client Sample ID: SW-9 (3')

Prep Type: Total/NA

Prep Batch: 117538

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.100	0.06654	F1	mg/Kg		67	70 - 130
Toluene	<0.00200	U F1	0.100	0.06860	F1	mg/Kg		69	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.07270		mg/Kg		73	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1451		mg/Kg		73	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.06325	F1	mg/Kg		63	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	159	S1+	70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: 880-61915-21 MSD

Matrix: Solid

Analysis Batch: 117545

Client Sample ID: SW-9 (3')

Prep Type: Total/NA

Prep Batch: 117538

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	0.08725		mg/Kg		87	70 - 130	27	35
Toluene	<0.00200	U F1	0.100	0.08568		mg/Kg		86	70 - 130	22	35
Ethylbenzene	<0.00200	U	0.100	0.08900		mg/Kg		89	70 - 130	20	35
m,p-Xylenes	<0.00399	U	0.200	0.1753		mg/Kg		88	70 - 130	19	35
o-Xylene	<0.00200	U F1	0.100	0.07321		mg/Kg		73	70 - 130	15	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: MB 880-117559/5-A

Matrix: Solid

Analysis Batch: 117430

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117559

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/25 17:00	08/25/25 22:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/25 17:00	08/25/25 22:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/25 17:00	08/25/25 22:53	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/25/25 17:00	08/25/25 22:53	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-117559/5-A

Matrix: Solid

Analysis Batch: 117430

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117559

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/25 17:00	08/25/25 22:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/25/25 17:00	08/25/25 22:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	08/25/25 17:00	08/25/25 22:53	1
1,4-Difluorobenzene (Surr)	112		70 - 130	08/25/25 17:00	08/25/25 22:53	1

Lab Sample ID: LCS 880-117559/1-A

Matrix: Solid

Analysis Batch: 117430

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117559

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09329		mg/Kg		93	70 - 130
Toluene	0.100	0.09825		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.09882		mg/Kg		99	70 - 130
m,p-Xylenes	0.200	0.2140		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1096		mg/Kg		110	70 - 130

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

Lab Sample ID: LCSD 880-117559/2-A

Matrix: Solid

Analysis Batch: 117430

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117559

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09311		mg/Kg		93	70 - 130	0	35
Toluene	0.100	0.1054		mg/Kg		105	70 - 130	7	35
Ethylbenzene	0.100	0.1062		mg/Kg		106	70 - 130	7	35
m,p-Xylenes	0.200	0.2347		mg/Kg		117	70 - 130	9	35
o-Xylene	0.100	0.1213		mg/Kg		121	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-61915-1 MS

Matrix: Solid

Analysis Batch: 117430

Client Sample ID: CS-1 (3')

Prep Type: Total/NA

Prep Batch: 117559

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.100	0.05726	F1	mg/Kg		57	70 - 130
Toluene	<0.00200	U	0.100	0.06996		mg/Kg		70	70 - 130
Ethylbenzene	<0.00200	U F1	0.100	0.06809	F1	mg/Kg		68	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1482		mg/Kg		74	70 - 130
o-Xylene	<0.00200	U	0.100	0.07649		mg/Kg		76	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-61915-1 MS

Matrix: Solid

Analysis Batch: 117430

Client Sample ID: CS-1 (3')

Prep Type: Total/NA

Prep Batch: 117559

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 880-61915-1 MSD

Matrix: Solid

Analysis Batch: 117430

Client Sample ID: CS-1 (3')

Prep Type: Total/NA

Prep Batch: 117559

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	0.07012		mg/Kg		70	70 - 130	20	35
Toluene	<0.00200	U	0.100	0.08352		mg/Kg		84	70 - 130	18	35
Ethylbenzene	<0.00200	U F1	0.100	0.08119		mg/Kg		81	70 - 130	18	35
m,p-Xylenes	<0.00399	U	0.200	0.1776		mg/Kg		89	70 - 130	18	35
o-Xylene	<0.00200	U	0.100	0.09150		mg/Kg		92	70 - 130	18	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

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

Lab Sample ID: MB 880-117346/1-A

Matrix: Solid

Analysis Batch: 117571

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/22/25 09:30	08/26/25 11:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/22/25 09:30	08/26/25 11:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/22/25 09:30	08/26/25 11:20	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane (Surr)	91		70 - 130	08/22/25 09:30	08/26/25 11:20	1			
o-Terphenyl (Surr)	94		70 - 130	08/22/25 09:30	08/26/25 11:20	1			

Lab Sample ID: LCS 880-117346/2-A

Matrix: Solid

Analysis Batch: 117571

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1047		mg/Kg		105	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1061		mg/Kg		106	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	111		70 - 130
o-Terphenyl (Surr)	105		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-117346/3-A

Matrix: Solid

Analysis Batch: 117571

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117346

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1026		mg/Kg		103	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1055		mg/Kg		105	70 - 130	1	20
		LCSD	LCSD						
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	89		70 - 130						
o-Terphenyl (Surr)	101		70 - 130						

Lab Sample ID: 880-61815-A-1-D MS

Matrix: Solid

Analysis Batch: 117571

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 117346

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	880.0		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	862.0		mg/Kg		83	70 - 130		
		MS	MS								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	92		70 - 130								
o-Terphenyl (Surr)	85		70 - 130								

Lab Sample ID: 880-61815-A-1-E MSD

Matrix: Solid

Analysis Batch: 117571

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 117346

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	861.1		mg/Kg		86	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	893.5		mg/Kg		86	70 - 130	4	20
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	75		70 - 130								
o-Terphenyl (Surr)	83		70 - 130								

Lab Sample ID: MB 880-117532/1-A

Matrix: Solid

Analysis Batch: 117448

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117532

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/25 16:47	08/25/25 18:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/25 16:47	08/25/25 18:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/25 16:47	08/25/25 18:25	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-117532/1-A

Matrix: Solid

Analysis Batch: 117448

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117532

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130	08/25/25 16:47	08/25/25 18:25	1
o-Terphenyl (Surr)	89		70 - 130	08/25/25 16:47	08/25/25 18:25	1

Lab Sample ID: LCS 880-117532/2-A

Matrix: Solid

Analysis Batch: 117448

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117532

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1013		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	960.5		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	103		70 - 130
o-Terphenyl (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-117532/3-A

Matrix: Solid

Analysis Batch: 117448

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117532

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1007		mg/Kg		101	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	948.1		mg/Kg		95	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	103		70 - 130
o-Terphenyl (Surr)	96		70 - 130

Lab Sample ID: 880-61915-1 MS

Matrix: Solid

Analysis Batch: 117448

Client Sample ID: CS-1 (3')

Prep Type: Total/NA

Prep Batch: 117532

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	1000	871.7		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	921.5		mg/Kg		92	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	73		70 - 130
o-Terphenyl (Surr)	82		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-61915-1 MSD

Matrix: Solid

Analysis Batch: 117448

Client Sample ID: CS-1 (3')

Prep Type: Total/NA

Prep Batch: 117532

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	1000	867.2		mg/Kg		87	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	859.7		mg/Kg		86	70 - 130	7	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	89		70 - 130								
o-Terphenyl (Surr)	79		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-117533/1-A

Matrix: Solid

Analysis Batch: 117535

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			08/25/25 21:34	1

Lab Sample ID: LCS 880-117533/2-A

Matrix: Solid

Analysis Batch: 117535

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	231.8		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-117533/3-A

Matrix: Solid

Analysis Batch: 117535

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	228.9		mg/Kg		92	90 - 110	1	20

Lab Sample ID: 880-61915-8 MS

Matrix: Solid

Analysis Batch: 117535

Client Sample ID: CS-8 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	38.7		251	274.9		mg/Kg		94	90 - 110

Lab Sample ID: 880-61915-8 MSD

Matrix: Solid

Analysis Batch: 117535

Client Sample ID: CS-8 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	38.7		251	273.4		mg/Kg		94	90 - 110	1	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-117534/1-A

Matrix: Solid

Analysis Batch: 117544

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			08/26/25 09:40	1

Lab Sample ID: LCS 880-117534/2-A

Matrix: Solid

Analysis Batch: 117544

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.7		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-117534/3-A

Matrix: Solid

Analysis Batch: 117544

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	256.1		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 890-8722-A-1-B MS

Matrix: Solid

Analysis Batch: 117544

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	56.8		251	313.8		mg/Kg		102	90 - 110

Lab Sample ID: 890-8722-A-1-C MSD

Matrix: Solid

Analysis Batch: 117544

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	56.8		251	316.6		mg/Kg		104	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 117222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-117222/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 117430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61915-1	CS-1 (3')	Total/NA	Solid	8021B	117559
880-61915-2	CS-2 (3')	Total/NA	Solid	8021B	117559
880-61915-3	CS-3 (3')	Total/NA	Solid	8021B	117559
880-61915-4	CS-4 (3')	Total/NA	Solid	8021B	117559
880-61915-5	CS-5 (3')	Total/NA	Solid	8021B	117559
880-61915-6	CS-6 (3')	Total/NA	Solid	8021B	117559
880-61915-7	CS-7 (3')	Total/NA	Solid	8021B	117559
880-61915-8	CS-8 (3')	Total/NA	Solid	8021B	117559
880-61915-9	CS-9 (3')	Total/NA	Solid	8021B	117559
880-61915-10	CS-10 (3')	Total/NA	Solid	8021B	117559
880-61915-11	CS-11 (3')	Total/NA	Solid	8021B	117559
880-61915-12	CS-12 (3')	Total/NA	Solid	8021B	117559
880-61915-13	SW-1 (3')	Total/NA	Solid	8021B	117559
880-61915-14	SW-2 (3')	Total/NA	Solid	8021B	117559
880-61915-15	SW-3 (3')	Total/NA	Solid	8021B	117559
880-61915-16	SW-4 (3')	Total/NA	Solid	8021B	117559
880-61915-17	SW-5 (3')	Total/NA	Solid	8021B	117559
880-61915-18	SW-6 (3')	Total/NA	Solid	8021B	117559
880-61915-19	SW-7 (3')	Total/NA	Solid	8021B	117559
880-61915-20	SW-8 (3')	Total/NA	Solid	8021B	117559
MB 880-117222/5-A	Method Blank	Total/NA	Solid	8021B	117222
MB 880-117559/5-A	Method Blank	Total/NA	Solid	8021B	117559
LCS 880-117559/1-A	Lab Control Sample	Total/NA	Solid	8021B	117559
LCSD 880-117559/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	117559
880-61915-1 MS	CS-1 (3')	Total/NA	Solid	8021B	117559
880-61915-1 MSD	CS-1 (3')	Total/NA	Solid	8021B	117559

Prep Batch: 117538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61915-21	SW-9 (3')	Total/NA	Solid	5035	
880-61915-22	SW-10 (3')	Total/NA	Solid	5035	
880-61915-23	SW-11 (3')	Total/NA	Solid	5035	
880-61915-24	SW-12 (3')	Total/NA	Solid	5035	
MB 880-117538/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-117538/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-117538/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-61915-21 MS	SW-9 (3')	Total/NA	Solid	5035	
880-61915-21 MSD	SW-9 (3')	Total/NA	Solid	5035	

Analysis Batch: 117545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61915-21	SW-9 (3')	Total/NA	Solid	8021B	117538
880-61915-22	SW-10 (3')	Total/NA	Solid	8021B	117538
880-61915-23	SW-11 (3')	Total/NA	Solid	8021B	117538
880-61915-24	SW-12 (3')	Total/NA	Solid	8021B	117538
MB 880-117538/5-A	Method Blank	Total/NA	Solid	8021B	117538
LCS 880-117538/1-A	Lab Control Sample	Total/NA	Solid	8021B	117538

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 117545 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-117538/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	117538
880-61915-21 MS	SW-9 (3')	Total/NA	Solid	8021B	117538
880-61915-21 MSD	SW-9 (3')	Total/NA	Solid	8021B	117538

Prep Batch: 117559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61915-1	CS-1 (3')	Total/NA	Solid	5035	
880-61915-2	CS-2 (3')	Total/NA	Solid	5035	
880-61915-3	CS-3 (3')	Total/NA	Solid	5035	
880-61915-4	CS-4 (3')	Total/NA	Solid	5035	
880-61915-5	CS-5 (3')	Total/NA	Solid	5035	
880-61915-6	CS-6 (3')	Total/NA	Solid	5035	
880-61915-7	CS-7 (3')	Total/NA	Solid	5035	
880-61915-8	CS-8 (3')	Total/NA	Solid	5035	
880-61915-9	CS-9 (3')	Total/NA	Solid	5035	
880-61915-10	CS-10 (3')	Total/NA	Solid	5035	
880-61915-11	CS-11 (3')	Total/NA	Solid	5035	
880-61915-12	CS-12 (3')	Total/NA	Solid	5035	
880-61915-13	SW-1 (3')	Total/NA	Solid	5035	
880-61915-14	SW-2 (3')	Total/NA	Solid	5035	
880-61915-15	SW-3 (3')	Total/NA	Solid	5035	
880-61915-16	SW-4 (3')	Total/NA	Solid	5035	
880-61915-17	SW-5 (3')	Total/NA	Solid	5035	
880-61915-18	SW-6 (3')	Total/NA	Solid	5035	
880-61915-19	SW-7 (3')	Total/NA	Solid	5035	
880-61915-20	SW-8 (3')	Total/NA	Solid	5035	
MB 880-117559/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-117559/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-117559/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-61915-1 MS	CS-1 (3')	Total/NA	Solid	5035	
880-61915-1 MSD	CS-1 (3')	Total/NA	Solid	5035	

Analysis Batch: 117586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61915-1	CS-1 (3')	Total/NA	Solid	Total BTEX	
880-61915-2	CS-2 (3')	Total/NA	Solid	Total BTEX	
880-61915-3	CS-3 (3')	Total/NA	Solid	Total BTEX	
880-61915-4	CS-4 (3')	Total/NA	Solid	Total BTEX	
880-61915-5	CS-5 (3')	Total/NA	Solid	Total BTEX	
880-61915-6	CS-6 (3')	Total/NA	Solid	Total BTEX	
880-61915-7	CS-7 (3')	Total/NA	Solid	Total BTEX	
880-61915-8	CS-8 (3')	Total/NA	Solid	Total BTEX	
880-61915-9	CS-9 (3')	Total/NA	Solid	Total BTEX	
880-61915-10	CS-10 (3')	Total/NA	Solid	Total BTEX	
880-61915-11	CS-11 (3')	Total/NA	Solid	Total BTEX	
880-61915-12	CS-12 (3')	Total/NA	Solid	Total BTEX	
880-61915-13	SW-1 (3')	Total/NA	Solid	Total BTEX	
880-61915-14	SW-2 (3')	Total/NA	Solid	Total BTEX	
880-61915-15	SW-3 (3')	Total/NA	Solid	Total BTEX	
880-61915-16	SW-4 (3')	Total/NA	Solid	Total BTEX	
880-61915-17	SW-5 (3')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 117586 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61915-18	SW-6 (3')	Total/NA	Solid	Total BTEX	
880-61915-19	SW-7 (3')	Total/NA	Solid	Total BTEX	
880-61915-20	SW-8 (3')	Total/NA	Solid	Total BTEX	
880-61915-21	SW-9 (3')	Total/NA	Solid	Total BTEX	
880-61915-22	SW-10 (3')	Total/NA	Solid	Total BTEX	
880-61915-23	SW-11 (3')	Total/NA	Solid	Total BTEX	
880-61915-24	SW-12 (3')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 117346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61915-21	SW-9 (3')	Total/NA	Solid	8015NM Prep	
880-61915-22	SW-10 (3')	Total/NA	Solid	8015NM Prep	
880-61915-23	SW-11 (3')	Total/NA	Solid	8015NM Prep	
880-61915-24	SW-12 (3')	Total/NA	Solid	8015NM Prep	
MB 880-117346/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-117346/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-117346/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-61815-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-61815-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 117448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61915-1	CS-1 (3')	Total/NA	Solid	8015B NM	117532
880-61915-2	CS-2 (3')	Total/NA	Solid	8015B NM	117532
880-61915-3	CS-3 (3')	Total/NA	Solid	8015B NM	117532
880-61915-4	CS-4 (3')	Total/NA	Solid	8015B NM	117532
880-61915-5	CS-5 (3')	Total/NA	Solid	8015B NM	117532
880-61915-6	CS-6 (3')	Total/NA	Solid	8015B NM	117532
880-61915-7	CS-7 (3')	Total/NA	Solid	8015B NM	117532
880-61915-8	CS-8 (3')	Total/NA	Solid	8015B NM	117532
880-61915-9	CS-9 (3')	Total/NA	Solid	8015B NM	117532
880-61915-10	CS-10 (3')	Total/NA	Solid	8015B NM	117532
880-61915-11	CS-11 (3')	Total/NA	Solid	8015B NM	117532
880-61915-12	CS-12 (3')	Total/NA	Solid	8015B NM	117532
880-61915-13	SW-1 (3')	Total/NA	Solid	8015B NM	117532
880-61915-14	SW-2 (3')	Total/NA	Solid	8015B NM	117532
880-61915-15	SW-3 (3')	Total/NA	Solid	8015B NM	117532
880-61915-16	SW-4 (3')	Total/NA	Solid	8015B NM	117532
880-61915-17	SW-5 (3')	Total/NA	Solid	8015B NM	117532
880-61915-18	SW-6 (3')	Total/NA	Solid	8015B NM	117532
880-61915-19	SW-7 (3')	Total/NA	Solid	8015B NM	117532
880-61915-20	SW-8 (3')	Total/NA	Solid	8015B NM	117532
MB 880-117532/1-A	Method Blank	Total/NA	Solid	8015B NM	117532
LCS 880-117532/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	117532
LCSD 880-117532/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	117532
880-61915-1 MS	CS-1 (3')	Total/NA	Solid	8015B NM	117532
880-61915-1 MSD	CS-1 (3')	Total/NA	Solid	8015B NM	117532

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

GC Semi VOA

Prep Batch: 117532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61915-1	CS-1 (3')	Total/NA	Solid	8015NM Prep	
880-61915-2	CS-2 (3')	Total/NA	Solid	8015NM Prep	
880-61915-3	CS-3 (3')	Total/NA	Solid	8015NM Prep	
880-61915-4	CS-4 (3')	Total/NA	Solid	8015NM Prep	
880-61915-5	CS-5 (3')	Total/NA	Solid	8015NM Prep	
880-61915-6	CS-6 (3')	Total/NA	Solid	8015NM Prep	
880-61915-7	CS-7 (3')	Total/NA	Solid	8015NM Prep	
880-61915-8	CS-8 (3')	Total/NA	Solid	8015NM Prep	
880-61915-9	CS-9 (3')	Total/NA	Solid	8015NM Prep	
880-61915-10	CS-10 (3')	Total/NA	Solid	8015NM Prep	
880-61915-11	CS-11 (3')	Total/NA	Solid	8015NM Prep	
880-61915-12	CS-12 (3')	Total/NA	Solid	8015NM Prep	
880-61915-13	SW-1 (3')	Total/NA	Solid	8015NM Prep	
880-61915-14	SW-2 (3')	Total/NA	Solid	8015NM Prep	
880-61915-15	SW-3 (3')	Total/NA	Solid	8015NM Prep	
880-61915-16	SW-4 (3')	Total/NA	Solid	8015NM Prep	
880-61915-17	SW-5 (3')	Total/NA	Solid	8015NM Prep	
880-61915-18	SW-6 (3')	Total/NA	Solid	8015NM Prep	
880-61915-19	SW-7 (3')	Total/NA	Solid	8015NM Prep	
880-61915-20	SW-8 (3')	Total/NA	Solid	8015NM Prep	
MB 880-117532/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-117532/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-117532/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-61915-1 MS	CS-1 (3')	Total/NA	Solid	8015NM Prep	
880-61915-1 MSD	CS-1 (3')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 117564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61915-1	CS-1 (3')	Total/NA	Solid	8015 NM	
880-61915-2	CS-2 (3')	Total/NA	Solid	8015 NM	
880-61915-3	CS-3 (3')	Total/NA	Solid	8015 NM	
880-61915-4	CS-4 (3')	Total/NA	Solid	8015 NM	
880-61915-5	CS-5 (3')	Total/NA	Solid	8015 NM	
880-61915-6	CS-6 (3')	Total/NA	Solid	8015 NM	
880-61915-7	CS-7 (3')	Total/NA	Solid	8015 NM	
880-61915-8	CS-8 (3')	Total/NA	Solid	8015 NM	
880-61915-9	CS-9 (3')	Total/NA	Solid	8015 NM	
880-61915-10	CS-10 (3')	Total/NA	Solid	8015 NM	
880-61915-11	CS-11 (3')	Total/NA	Solid	8015 NM	
880-61915-12	CS-12 (3')	Total/NA	Solid	8015 NM	
880-61915-13	SW-1 (3')	Total/NA	Solid	8015 NM	
880-61915-14	SW-2 (3')	Total/NA	Solid	8015 NM	
880-61915-15	SW-3 (3')	Total/NA	Solid	8015 NM	
880-61915-16	SW-4 (3')	Total/NA	Solid	8015 NM	
880-61915-17	SW-5 (3')	Total/NA	Solid	8015 NM	
880-61915-18	SW-6 (3')	Total/NA	Solid	8015 NM	
880-61915-19	SW-7 (3')	Total/NA	Solid	8015 NM	
880-61915-20	SW-8 (3')	Total/NA	Solid	8015 NM	
880-61915-21	SW-9 (3')	Total/NA	Solid	8015 NM	
880-61915-22	SW-10 (3')	Total/NA	Solid	8015 NM	
880-61915-23	SW-11 (3')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 117564 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61915-24	SW-12 (3')	Total/NA	Solid	8015 NM	

Analysis Batch: 117571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61915-21	SW-9 (3')	Total/NA	Solid	8015B NM	117346
880-61915-22	SW-10 (3')	Total/NA	Solid	8015B NM	117346
880-61915-23	SW-11 (3')	Total/NA	Solid	8015B NM	117346
880-61915-24	SW-12 (3')	Total/NA	Solid	8015B NM	117346
MB 880-117346/1-A	Method Blank	Total/NA	Solid	8015B NM	117346
LCS 880-117346/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	117346
LCSD 880-117346/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	117346
880-61815-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	117346
880-61815-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	117346

HPLC/IC

Leach Batch: 117533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61915-1	CS-1 (3')	Soluble	Solid	DI Leach	
880-61915-2	CS-2 (3')	Soluble	Solid	DI Leach	
880-61915-3	CS-3 (3')	Soluble	Solid	DI Leach	
880-61915-4	CS-4 (3')	Soluble	Solid	DI Leach	
880-61915-5	CS-5 (3')	Soluble	Solid	DI Leach	
880-61915-6	CS-6 (3')	Soluble	Solid	DI Leach	
880-61915-7	CS-7 (3')	Soluble	Solid	DI Leach	
880-61915-8	CS-8 (3')	Soluble	Solid	DI Leach	
880-61915-9	CS-9 (3')	Soluble	Solid	DI Leach	
880-61915-10	CS-10 (3')	Soluble	Solid	DI Leach	
880-61915-11	CS-11 (3')	Soluble	Solid	DI Leach	
880-61915-12	CS-12 (3')	Soluble	Solid	DI Leach	
880-61915-13	SW-1 (3')	Soluble	Solid	DI Leach	
880-61915-14	SW-2 (3')	Soluble	Solid	DI Leach	
880-61915-15	SW-3 (3')	Soluble	Solid	DI Leach	
880-61915-16	SW-4 (3')	Soluble	Solid	DI Leach	
880-61915-17	SW-5 (3')	Soluble	Solid	DI Leach	
MB 880-117533/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-117533/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-117533/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-61915-8 MS	CS-8 (3')	Soluble	Solid	DI Leach	
880-61915-8 MSD	CS-8 (3')	Soluble	Solid	DI Leach	

Leach Batch: 117534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61915-18	SW-6 (3')	Soluble	Solid	DI Leach	
880-61915-19	SW-7 (3')	Soluble	Solid	DI Leach	
880-61915-20	SW-8 (3')	Soluble	Solid	DI Leach	
880-61915-21	SW-9 (3')	Soluble	Solid	DI Leach	
880-61915-22	SW-10 (3')	Soluble	Solid	DI Leach	
880-61915-23	SW-11 (3')	Soluble	Solid	DI Leach	
880-61915-24	SW-12 (3')	Soluble	Solid	DI Leach	
MB 880-117534/1-A	Method Blank	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 117534 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-117534/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-117534/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8722-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-8722-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 117535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61915-1	CS-1 (3')	Soluble	Solid	300.0	117533
880-61915-2	CS-2 (3')	Soluble	Solid	300.0	117533
880-61915-3	CS-3 (3')	Soluble	Solid	300.0	117533
880-61915-4	CS-4 (3')	Soluble	Solid	300.0	117533
880-61915-5	CS-5 (3')	Soluble	Solid	300.0	117533
880-61915-6	CS-6 (3')	Soluble	Solid	300.0	117533
880-61915-7	CS-7 (3')	Soluble	Solid	300.0	117533
880-61915-8	CS-8 (3')	Soluble	Solid	300.0	117533
880-61915-9	CS-9 (3')	Soluble	Solid	300.0	117533
880-61915-10	CS-10 (3')	Soluble	Solid	300.0	117533
880-61915-11	CS-11 (3')	Soluble	Solid	300.0	117533
880-61915-12	CS-12 (3')	Soluble	Solid	300.0	117533
880-61915-13	SW-1 (3')	Soluble	Solid	300.0	117533
880-61915-14	SW-2 (3')	Soluble	Solid	300.0	117533
880-61915-15	SW-3 (3')	Soluble	Solid	300.0	117533
880-61915-16	SW-4 (3')	Soluble	Solid	300.0	117533
880-61915-17	SW-5 (3')	Soluble	Solid	300.0	117533
MB 880-117533/1-A	Method Blank	Soluble	Solid	300.0	117533
LCS 880-117533/2-A	Lab Control Sample	Soluble	Solid	300.0	117533
LCSD 880-117533/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	117533
880-61915-8 MS	CS-8 (3')	Soluble	Solid	300.0	117533
880-61915-8 MSD	CS-8 (3')	Soluble	Solid	300.0	117533

Analysis Batch: 117544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61915-18	SW-6 (3')	Soluble	Solid	300.0	117534
880-61915-19	SW-7 (3')	Soluble	Solid	300.0	117534
880-61915-20	SW-8 (3')	Soluble	Solid	300.0	117534
880-61915-21	SW-9 (3')	Soluble	Solid	300.0	117534
880-61915-22	SW-10 (3')	Soluble	Solid	300.0	117534
880-61915-23	SW-11 (3')	Soluble	Solid	300.0	117534
880-61915-24	SW-12 (3')	Soluble	Solid	300.0	117534
MB 880-117534/1-A	Method Blank	Soluble	Solid	300.0	117534
LCS 880-117534/2-A	Lab Control Sample	Soluble	Solid	300.0	117534
LCSD 880-117534/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	117534
890-8722-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	117534
890-8722-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	117534

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (3')

Lab Sample ID: 880-61915-1

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

Prep 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	117559	08/25/25 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117430	08/25/25 23:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117586	08/25/25 23:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			117564	08/25/25 19:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	117532	08/25/25 16:47	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/25/25 19:12	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	117533	08/25/25 17:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	117535	08/25/25 22:20	CS	EET MID

Client Sample ID: CS-2 (3')

Lab Sample ID: 880-61915-2

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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	117559	08/25/25 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117430	08/25/25 23:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117586	08/25/25 23:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			117564	08/25/25 19:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	117532	08/25/25 16:47	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/25/25 19:58	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	117533	08/25/25 17:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	117535	08/25/25 22:25	CS	EET MID

Client Sample ID: CS-3 (3')

Lab Sample ID: 880-61915-3

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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	117559	08/25/25 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117430	08/25/25 23:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117586	08/25/25 23:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			117564	08/25/25 20:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	117532	08/25/25 16:47	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/25/25 20:13	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	117533	08/25/25 17:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	117535	08/25/25 22:42	CS	EET MID

Client Sample ID: CS-4 (3')

Lab Sample ID: 880-61915-4

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

Prep 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	117559	08/25/25 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117430	08/26/25 00:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117586	08/26/25 00:16	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-4 (3')

Lab Sample ID: 880-61915-4

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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			117564	08/25/25 20:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	117532	08/25/25 16:47	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/25/25 20:29	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	117533	08/25/25 17:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	117535	08/25/25 22:48	CS	EET MID

Client Sample ID: CS-5 (3')

Lab Sample ID: 880-61915-5

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

Prep 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	117559	08/25/25 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117430	08/26/25 00:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117586	08/26/25 00:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			117564	08/25/25 20:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	117532	08/25/25 16:47	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/25/25 20:45	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	117533	08/25/25 17:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	117535	08/25/25 22:54	CS	EET MID

Client Sample ID: CS-6 (3')

Lab Sample ID: 880-61915-6

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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	117559	08/25/25 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117430	08/26/25 00:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117586	08/26/25 00:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			117564	08/25/25 21:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	117532	08/25/25 16:47	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/25/25 21:00	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	117533	08/25/25 17:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	117535	08/25/25 22:59	CS	EET MID

Client Sample ID: CS-7 (3')

Lab Sample ID: 880-61915-7

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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	117559	08/25/25 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117430	08/26/25 01:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117586	08/26/25 01:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			117564	08/25/25 21:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	117532	08/25/25 16:47	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/25/25 21:16	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (3')

Lab Sample ID: 880-61915-7

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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	117533	08/25/25 17:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	117535	08/25/25 23:05	CS	EET MID

Client Sample ID: CS-8 (3')

Lab Sample ID: 880-61915-8

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

Prep 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	117559	08/25/25 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117430	08/26/25 01:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117586	08/26/25 01:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			117564	08/25/25 21:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	117532	08/25/25 16:47	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/25/25 21:31	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	117533	08/25/25 17:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	117535	08/25/25 23:11	CS	EET MID

Client Sample ID: CS-9 (3')

Lab Sample ID: 880-61915-9

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

Prep 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	117559	08/25/25 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117430	08/26/25 01:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117586	08/26/25 01:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			117564	08/25/25 21:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	117532	08/25/25 16:47	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/25/25 21:47	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	117533	08/25/25 17:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	117535	08/25/25 23:28	CS	EET MID

Client Sample ID: CS-10 (3')

Lab Sample ID: 880-61915-10

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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	117559	08/25/25 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117430	08/26/25 02:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117586	08/26/25 02:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			117564	08/25/25 22:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	117532	08/25/25 16:47	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/25/25 22:02	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	117533	08/25/25 17:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	117535	08/25/25 23:33	CS	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-11 (3')

Date Collected: 08/21/25 00:00

Date Received: 08/25/25 15:35

Lab Sample ID: 880-61915-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	117559	08/25/25 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117430	08/26/25 03:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117586	08/26/25 03:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			117564	08/25/25 22:33	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	117532	08/25/25 16:47	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/25/25 22:33	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	117533	08/25/25 17:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	117535	08/25/25 23:50	CS	EET MID

Client Sample ID: CS-12 (3')

Date Collected: 08/21/25 00:00

Date Received: 08/25/25 15:35

Lab Sample ID: 880-61915-12

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			5.05 g	5 mL	117559	08/25/25 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117430	08/26/25 04:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117586	08/26/25 04:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			117564	08/25/25 22:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	117532	08/25/25 16:47	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/25/25 22:48	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	117533	08/25/25 17:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	117535	08/25/25 23:56	CS	EET MID

Client Sample ID: SW-1 (3')

Date Collected: 08/21/25 00:00

Date Received: 08/25/25 15:35

Lab Sample ID: 880-61915-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	117559	08/25/25 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117430	08/26/25 04:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117586	08/26/25 04:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			117564	08/25/25 23:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	117532	08/25/25 16:47	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/25/25 23:04	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	117533	08/25/25 17:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	117535	08/26/25 00:02	CS	EET MID

Client Sample ID: SW-2 (3')

Date Collected: 08/21/25 00:00

Date Received: 08/25/25 15:35

Lab Sample ID: 880-61915-14

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			4.98 g	5 mL	117559	08/25/25 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117430	08/26/25 04:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117586	08/26/25 04:55	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-2 (3')

Date Collected: 08/21/25 00:00

Date Received: 08/25/25 15:35

Lab Sample ID: 880-61915-14

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			117564	08/25/25 23:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	117532	08/25/25 16:47	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/25/25 23:19	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	117533	08/25/25 17:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	117535	08/26/25 00:07	CS	EET MID

Client Sample ID: SW-3 (3')

Date Collected: 08/21/25 00:00

Date Received: 08/25/25 15:35

Lab Sample ID: 880-61915-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	117559	08/25/25 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117430	08/26/25 05:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117586	08/26/25 05:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			117564	08/25/25 23:35	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	117532	08/25/25 16:47	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/25/25 23:35	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	117533	08/25/25 17:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	117535	08/26/25 00:13	CS	EET MID

Client Sample ID: SW-4 (3')

Date Collected: 08/21/25 00:00

Date Received: 08/25/25 15:35

Lab Sample ID: 880-61915-16

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	117559	08/25/25 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117430	08/26/25 05:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117586	08/26/25 05:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			117564	08/25/25 23:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	117532	08/25/25 16:47	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/25/25 23:50	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	117533	08/25/25 17:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	117535	08/26/25 00:19	CS	EET MID

Client Sample ID: SW-5 (3')

Date Collected: 08/21/25 00:00

Date Received: 08/25/25 15:35

Lab Sample ID: 880-61915-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	117559	08/25/25 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117430	08/26/25 05:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117586	08/26/25 05:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			117564	08/26/25 00:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	117532	08/25/25 16:47	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/26/25 00:06	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-5 (3')

Lab Sample ID: 880-61915-17

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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	117533	08/25/25 17:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	117535	08/26/25 00:24	CS	EET MID

Client Sample ID: SW-6 (3')

Lab Sample ID: 880-61915-18

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

Prep 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	117559	08/25/25 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117430	08/26/25 06:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117586	08/26/25 06:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			117564	08/26/25 00:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	117532	08/25/25 16:47	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/26/25 00:21	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	117534	08/25/25 17:37	SMC	EET MID
Soluble	Analysis	300.0		1			117544	08/26/25 10:27	CS	EET MID

Client Sample ID: SW-7 (3')

Lab Sample ID: 880-61915-19

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

Prep 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	117559	08/25/25 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117430	08/26/25 06:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117586	08/26/25 06:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			117564	08/26/25 00:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	117532	08/25/25 16:47	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/26/25 00:38	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	117534	08/25/25 17:37	SMC	EET MID
Soluble	Analysis	300.0		1			117544	08/26/25 10:33	CS	EET MID

Client Sample ID: SW-8 (3')

Lab Sample ID: 880-61915-20

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

Prep 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	117559	08/25/25 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117430	08/26/25 06:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117586	08/26/25 06:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			117564	08/26/25 00:53	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	117532	08/25/25 16:47	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/26/25 00:53	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	117534	08/25/25 17:37	SMC	EET MID
Soluble	Analysis	300.0		1			117544	08/26/25 10:51	CS	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-9 (3')

Lab Sample ID: 880-61915-21

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

Prep 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	117538	08/26/25 07:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117545	08/26/25 12:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117586	08/26/25 12:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			117564	08/26/25 14:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	117346	08/22/25 09:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117571	08/26/25 14:17	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	117534	08/25/25 17:37	SMC	EET MID
Soluble	Analysis	300.0		1			117544	08/26/25 10:57	CS	EET MID

Client Sample ID: SW-10 (3')

Lab Sample ID: 880-61915-22

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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	117538	08/26/25 07:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117545	08/26/25 12:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117586	08/26/25 12:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			117564	08/26/25 14:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	117346	08/22/25 09:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117571	08/26/25 14:32	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	117534	08/25/25 17:37	SMC	EET MID
Soluble	Analysis	300.0		1			117544	08/26/25 11:03	CS	EET MID

Client Sample ID: SW-11 (3')

Lab Sample ID: 880-61915-23

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

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	117538	08/26/25 07:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117545	08/26/25 13:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117586	08/26/25 13:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			117564	08/26/25 14:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	117346	08/22/25 09:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117571	08/26/25 14:48	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	117534	08/25/25 17:37	SMC	EET MID
Soluble	Analysis	300.0		1			117544	08/26/25 11:09	CS	EET MID

Client Sample ID: SW-12 (3')

Lab Sample ID: 880-61915-24

Date Collected: 08/21/25 00:00

Matrix: Solid

Date Received: 08/25/25 15:35

Prep 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	117538	08/26/25 07:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117545	08/26/25 13:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117586	08/26/25 13:28	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-12 (3')
Date Collected: 08/21/25 00:00
Date Received: 08/25/25 15:35

Lab Sample ID: 880-61915-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			117564	08/26/25 15:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	117346	08/22/25 09:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117571	08/26/25 15:03	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	117534	08/25/25 17:37	SMC	EET MID
Soluble	Analysis	300.0		1			117544	08/26/25 11:15	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 Fee A 3H (02.12.25)

Job ID: 880-61915-1
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 Fee A 3H (02.12.25)

Job ID: 880-61915-1
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 Fee A 3H (02.12.25)

Job ID: 880-61915-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-61915-1	CS-1 (3')	Solid	08/21/25 00:00	08/25/25 15:35	New Mexico
880-61915-2	CS-2 (3')	Solid	08/21/25 00:00	08/25/25 15:35	New Mexico
880-61915-3	CS-3 (3')	Solid	08/21/25 00:00	08/25/25 15:35	New Mexico
880-61915-4	CS-4 (3')	Solid	08/21/25 00:00	08/25/25 15:35	New Mexico
880-61915-5	CS-5 (3')	Solid	08/21/25 00:00	08/25/25 15:35	New Mexico
880-61915-6	CS-6 (3')	Solid	08/21/25 00:00	08/25/25 15:35	New Mexico
880-61915-7	CS-7 (3')	Solid	08/21/25 00:00	08/25/25 15:35	New Mexico
880-61915-8	CS-8 (3')	Solid	08/21/25 00:00	08/25/25 15:35	New Mexico
880-61915-9	CS-9 (3')	Solid	08/21/25 00:00	08/25/25 15:35	New Mexico
880-61915-10	CS-10 (3')	Solid	08/21/25 00:00	08/25/25 15:35	New Mexico
880-61915-11	CS-11 (3')	Solid	08/21/25 00:00	08/25/25 15:35	New Mexico
880-61915-12	CS-12 (3')	Solid	08/21/25 00:00	08/25/25 15:35	New Mexico
880-61915-13	SW-1 (3')	Solid	08/21/25 00:00	08/25/25 15:35	New Mexico
880-61915-14	SW-2 (3')	Solid	08/21/25 00:00	08/25/25 15:35	New Mexico
880-61915-15	SW-3 (3')	Solid	08/21/25 00:00	08/25/25 15:35	New Mexico
880-61915-16	SW-4 (3')	Solid	08/21/25 00:00	08/25/25 15:35	New Mexico
880-61915-17	SW-5 (3')	Solid	08/21/25 00:00	08/25/25 15:35	New Mexico
880-61915-18	SW-6 (3')	Solid	08/21/25 00:00	08/25/25 15:35	New Mexico
880-61915-19	SW-7 (3')	Solid	08/21/25 00:00	08/25/25 15:35	New Mexico
880-61915-20	SW-8 (3')	Solid	08/21/25 00:00	08/25/25 15:35	New Mexico
880-61915-21	SW-9 (3')	Solid	08/21/25 00:00	08/25/25 15:35	New Mexico
880-61915-22	SW-10 (3')	Solid	08/21/25 00:00	08/25/25 15:35	New Mexico
880-61915-23	SW-11 (3')	Solid	08/21/25 00:00	08/25/25 15:35	New Mexico
880-61915-24	SW-12 (3')	Solid	08/21/25 00:00	08/25/25 15:35	New Mexico

Chain of Custody



880-61915 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: mcarmona@carmonaresources.com			

Project Name: Copperhead Fee A 3H (02.12.25)	Turn Around	Pres. Code	ANALYSIS REQUEST										Preservative Codes	
Project Number: 2671	☐ Routine ☒ Rush												None: NO DI Water: H ₂ O	
Project Location: Eddy County, New Mexico	Due Date: 24 HR TAT												Cool: Cool MeOH: Me	
Sampler's Name: JM													HCL: HC HNO ₃ : HN	
PO #:													H ₂ SO ₄ : H ₂ NaOH: Na	

SAMPLE RECEIPT		Temp Blank: Yes No		Wet Ice: Yes No		Thermometer ID: 125		Correction Factor: -1		Temperature Reading: 0.4		Corrected Temperature: 0.3	
Received Intact:	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No	
Cooler Custody Seals:	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No	
Sample Custody Seals:	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No	
Total Containers:													

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont
CS-1 (3')	8/21/2025		X		Comp 1	X
CS-2 (3')	8/21/2025		X		Comp 1	X
CS-3 (3')	8/21/2025		X		Comp 1	X
CS-4 (3')	8/21/2025		X		Comp 1	X
CS-5 (3')	8/21/2025		X		Comp 1	X
CS-6 (3')	8/21/2025		X		Comp 1	X
CS-7 (3')	8/21/2025		X		Comp 1	X
CS-8 (3')	8/21/2025		X		Comp 1	X
CS-9 (3')	8/21/2025		X		Comp 1	X
CS-10 (3')	8/21/2025		X		Comp 1	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
	8/25/25 @ 16:35		8/25/25 @ 16:35

Chain of Custody

Work Order No:

Page 2 of 3

Work Order Comments

Program: UST/PST ☐ PRP ☐ Rowfields ☐ IRC ☐ perfund ☐

State of Project: ☐ Level III ☐ ST/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

ANALYSIS REQUEST																
Project Name:		Copperhead Fee A 3H (02.12.25)		Turn Around		Pres. Code	ANALYSIS REQUEST			Preservative Codes						
Project Number:		2671		☐ Routine ☒ Rush												
Project Location		Eddy County, New Mexico		Due Date:		24 HR TAT		Parameters			TPH 8015M (GRO + DRO + MRO)			Chloride 300.0		
Sampler's Name:		JM														
PO #:																
SAMPLE RECEIPT		Temp Blank:		Yes		No		Wet Ice:		Yes		No				
Received Intact:		Yes		No		Thermometer ID:										
Cooler Custody Seals:		Yes		No		N/A		Correction Factor:								
Sample Custody Seals:		Yes		No		N/A		Temperature Reading:								
Total Containers:								Corrected Temperature:								
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont				
CS-11 (3')		8/21/2025				X				Comp		1				
CS-12 (3')		8/21/2025				X				Comp		1				
SW-1 (3')		8/21/2025				X				Comp		1				
SW-2 (3')		8/21/2025				X				Comp		1				
SW-3 (3')		8/21/2025				X				Comp		1				
SW-4 (3')		8/21/2025				X				Comp		1				
SW-5 (3')		8/21/2025				X				Comp		1				
SW-6 (3')		8/21/2025				X				Comp		1				
SW-7 (3')		8/21/2025				X				Comp		1				
SW-8 (3')		8/21/2025				X				Comp		1				

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	8/25/2018:35		8/25/18 1535

Chain of Custody

Work Order No: _____

Page 3 of 3

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

Project Name: Copperhead Fee A 3H (02.12.25)		Turn Around	
Project Number: 2671		☐ Routine ☒ Rush	
Project Location: Eddy County, New Mexico		Due Date: 24 HR TAT	
Sampler's Name: JM			
PO #:			

SAMPLE RECEIPT				Turn Around				Parameters				ANALYSIS REQUEST				Work Order Comments			
Received Intact:		Temp Blank:		Yes No		Wet Ice:		Yes No		Pres. Code		BTEX 8021B		TPH 8015M (GRO + DRO + MRO)		Chloride 300.0		Preservative Codes	
Cooler Custody Seals:		Yes No		Thermometer ID:															
Sample Custody Seals:		Yes No		Correction Factor:															
Total Containers:		Yes No		Temperature Reading:															
		Corrected Temperature:																	
SW-9 (3')	8/21/2025																		
SW-10 (3')	8/21/2025																		
SW-11 (3')	8/21/2025																		
SW-12 (3')	8/21/2025																		

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

Relinquished by: (Signature)		Date/Time	
		8/25/25 01:35	
Received by: (Signature)		Date/Time	
		8/25/25 1:35	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-61915-1
SDG Number: Eddy County, New Mexico

Login Number: 61915
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

APPENDIX F

CARMONA RESOURCES



Soil Map—Eddy Area, New Mexico
(Copperhead Fee A 003H)



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

11/11/2025
Page 1 of 3

Soil Map—Eddy Area, New Mexico
(Copperhead Fee A 003H)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 21, Sep 9, 2025

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
RU	Russler-Ector association, 0 to 9 percent slopes	0.1	100.0%
Totals for Area of Interest		0.1	100.0%

Map Unit Description: Russler-Ector association, 0 to 9 percent slopes---Eddy Area, New Mexico

Copperhead Fee A 003H

Eddy Area, New Mexico

RU—Russler-Ector association, 0 to 9 percent slopes

Map Unit Setting

National map unit symbol: 1w5k

Elevation: 1,250 to 4,800 feet

Mean annual precipitation: 10 to 25 inches

Mean annual air temperature: 57 to 66 degrees F

Frost-free period: 195 to 225 days

Farmland classification: Not prime farmland

Map Unit Composition

Russler and similar soils: 60 percent

Ector and similar soils: 25 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Russler

Setting

Landform: Alluvial fans, plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear, convex

Across-slope shape: Linear

Parent material: Alluvium

Typical profile

H1 - 0 to 11 inches: loam

H2 - 11 to 45 inches: clay loam

H3 - 45 to 60 inches: gypsiferous material

Properties and qualities

Slope: 1 to 3 percent

Depth to restrictive feature: 20 to 47 inches to paralithic bedrock

Drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

Gypsum, maximum content: 40 percent

Maximum salinity: Moderately saline to strongly saline (8.0 to 16.0 mmhos/cm)

Sodium adsorption ratio, maximum: 4.0

Available water supply, 0 to 60 inches: Low (about 4.4 inches)

Interpretive groups

Land capability classification (irrigated): 3e

Map Unit Description: Russler-Ector association, 0 to 9 percent slopes---Eddy Area, New Mexico

Copperhead Fee A 003H

Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: C
Ecological site: R042CY153NM - Loamy
Hydric soil rating: No

Description of Ector

Setting

Landform: Hills, ridges
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, head slope, nose slope, crest
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from limestone

Typical profile

H1 - 0 to 8 inches: very cobbly loam
H2 - 8 to 60 inches: bedrock

Properties and qualities

Slope: 0 to 9 percent
Depth to restrictive feature: 4 to 20 inches to lithic bedrock
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.06 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 60 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 0.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R042CY158NM - Very Shallow
Hydric soil rating: No

Minor Components

Gypsum land

Percent of map unit: 8 percent
Hydric soil rating: No

Cottonwood

Percent of map unit: 7 percent
Ecological site: R070BB006NM - Gyp Upland

Map Unit Description: Russler-Ector association, 0 to 9 percent slopes---Eddy Area, New Mexico

Copperhead Fee A 003H

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 21, Sep 9, 2025

(26)

BLM SERIAL #:

COMPANY REFERENCE:

3.1 Seed Mixture 1, for Loamy Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (small/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

<u>Species</u>	<u>lb/acre</u>
Plains lovegrass (<i>Eragrostis intermedia</i>)	0.5
Sand dropseed (<i>Sporobolus cryptandrus</i>)	1.0
Sideoats grama (<i>Bouteloua curtipendula</i>)	5.0
Plains bristlegrass (<i>Setaria macrostachya</i>)	2.0

*Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed

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

QUESTIONS

Action 528121

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 528121
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2507935269
Incident Name	NAPP2507935269 COPPERHEAD FEE A 003H @ FAPP2129347391
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received
Incident Facility	[fAPP2129347391] Copperhead Fee A 3H Battery

Location of Release Source

Please answer all the questions in this group.

Site Name	Copperhead Fee A 003H
Date Release Discovered	02/12/2025
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: Equipment Failure Flow Line - Production Produced Water Released: 7 BBL Recovered: 0 BBL Lost: 7 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 528121

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 528121
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

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

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: 11/19/2025
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QUESTIONS, Page 3

Action 528121

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 528121
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between ½ and 1 (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	Greater than 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	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	5610
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
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	08/20/2025
On what date will (or did) the final sampling or liner inspection occur	08/21/2025
On what date will (or was) the remediation complete(d)	08/22/2025
What is the estimated surface area (in square feet) that will be reclaimed	2340
What is the estimated volume (in cubic yards) that will be reclaimed	286
What is the estimated surface area (in square feet) that will be remediated	2340
What is the estimated volume (in cubic yards) that will be remediated	286
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 528121

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 528121
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	<i>Not answered.</i>
OR which OCD approved well (API) will be used for off-site disposal	<i>Not answered.</i>
OR is the off-site disposal site, to be used, out-of-state	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R360-Red Bluff
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jacqui Harris Title: Sr Environment Engineer Email: jacqui.harris@conocophillips.com Date: 11/19/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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Action 528121

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 528121
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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 528121

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 528121
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	496861
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/21/2025
What was the (estimated) number of samples that were to be gathered	27
What was the sampling surface area in square feet	2400

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	2340
What was the total volume (cubic yards) remediated	286
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	2340
What was the total volume (in cubic yards) reclaimed	286
Summarize any additional remediation activities not included by answers (above)	NA
<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: 11/19/2025

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Action 528121

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 528121
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	2340
What was the total volume of replacement material (in cubic yards) for this site	286
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a 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.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	08/27/2025
Summarize any additional reclamation activities not included by answers (above)	NA
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 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: 11/19/2025

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Action 528121

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 528121
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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CONDITIONS

Action 528121

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 528121
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
nvez	Remediation closure and reclamation report approved. Pending re-vegetation report. However, the report did not include a Karst survey (desktop, aerial, or geophysical); therefore, the most stringent closure standards per Table I of 19.15.29.12 NMAC applies. Release resolved.	1/27/2026