



SITE INFORMATION

Closure Report
Wild Cap State Com 003H (11.10.24)
Eddy County, New Mexico
Incident ID: NAPP2434741266
Unit H Sec 36 T19S R31E
32.618478°, -103.817356°

Produced Water Release
Point of Release: Corrosion on flowline
Release Date: 11.10.2024
Volume Released: 5 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

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February 18, 2025

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

**Re: Closure Report
Wild Cap State Com 003H (11.10.24)
Concho Operating, LLC
Site Location: Unit H, S36, T19S, R31E
(Lat 32.618478°, Long -103.817356°)
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 Wild Cap State Com 003H (11.10.24). The site is located at 32.618478, -103.817356 within Unit H, S36, T19S, R31E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notice of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on November 10, 2024, due to corrosion on a surface flowline. The incident released approximately five (5) barrels of produced water with zero (0) barrels recovered. The impacted area occurred in the pasture, as shown in Figure 3. The Notice of Release is attached in Appendix C.

Prior to any excavation an NMSLO arch survey was completed to ensure no cultural properties were with the area of concern or surrounding areas. The cover page can be found in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, one known water sources are within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.44 miles west of the site in S36, T19S, R31E and was drilled in 1982. The well has a reported depth to groundwater of 130' below ground surface (ft bgs). A copy of the associated Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

Initial Assessment

On November 25, 2024, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) sample points (S-1 through S-3) and four (4) horizontal sample points (H-1 through H-4) were installed to total depths ranging from surface to 8' 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 D.

5.0 Remediation Activities

Carmona Resources personnel were on site to guide the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on December 30, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C for the sampling notification. The area of S-1 was excavated to a depth of 3.0', the area of S-2 was excavated to a depth of 10.0', and the area of S-3 was excavated to a depth of 2.0' to ensure the removal of all impacted material. A total of ten (10) confirmation floor samples were collected (CS-1 through CS-10), and ten (10) sidewall samples (SW-1 through SW-10) 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 D. 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 areas were backfilled with clean material to surface grade. Approximately 180 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Reclamation Activities

The site was re-seeded on February 4, 2025. The seed mixture was spread via hand broadcasting. Topsoil matching the surrounding areas was raked back on top of the seed after being broadcast. The seed mixture used was the NMSLO – Sandy Seed Mix (See attachments in Appendix E). See Figure 5 for the reclamation area.

7.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

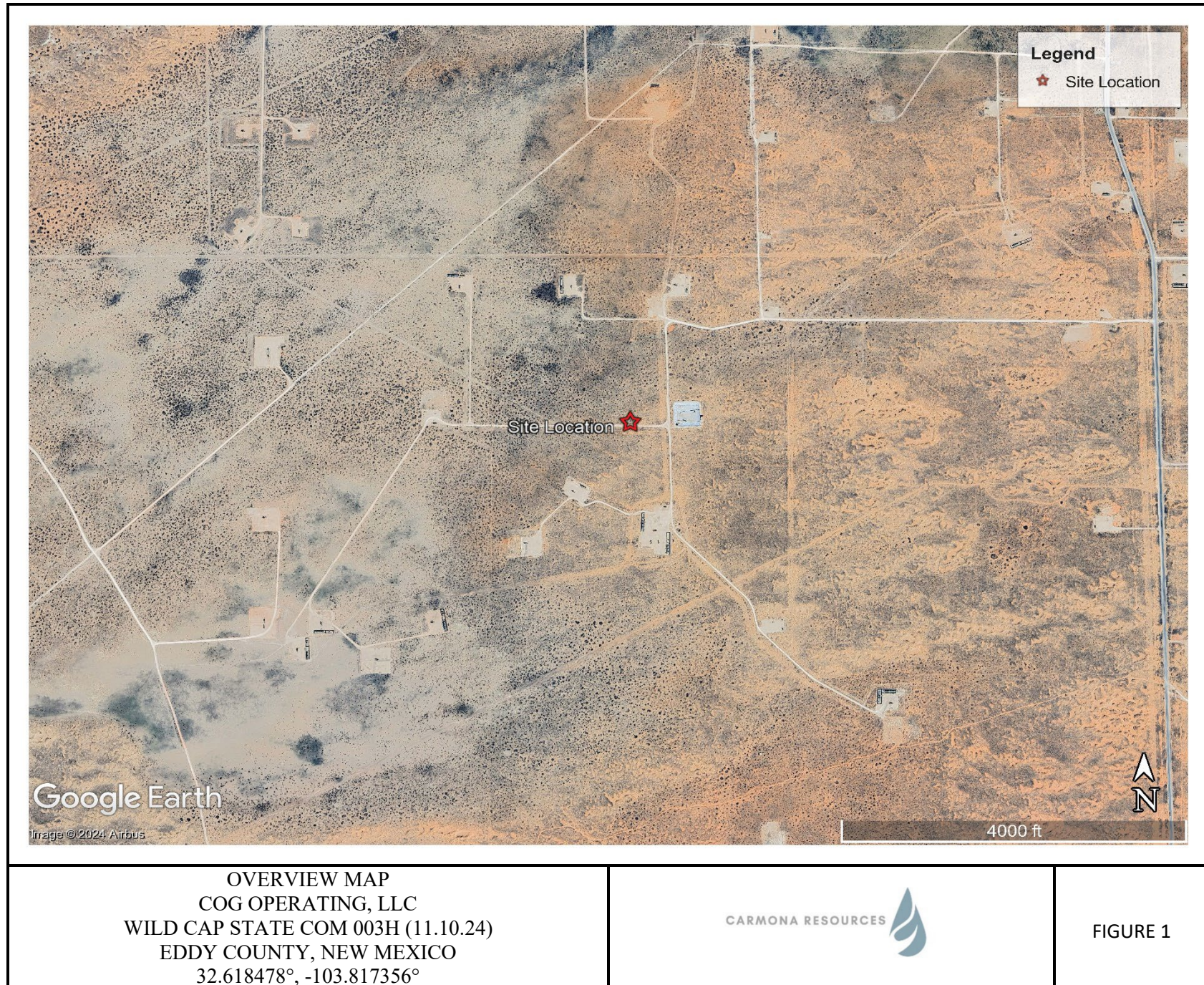
Conner Moehring
Environmental Manager

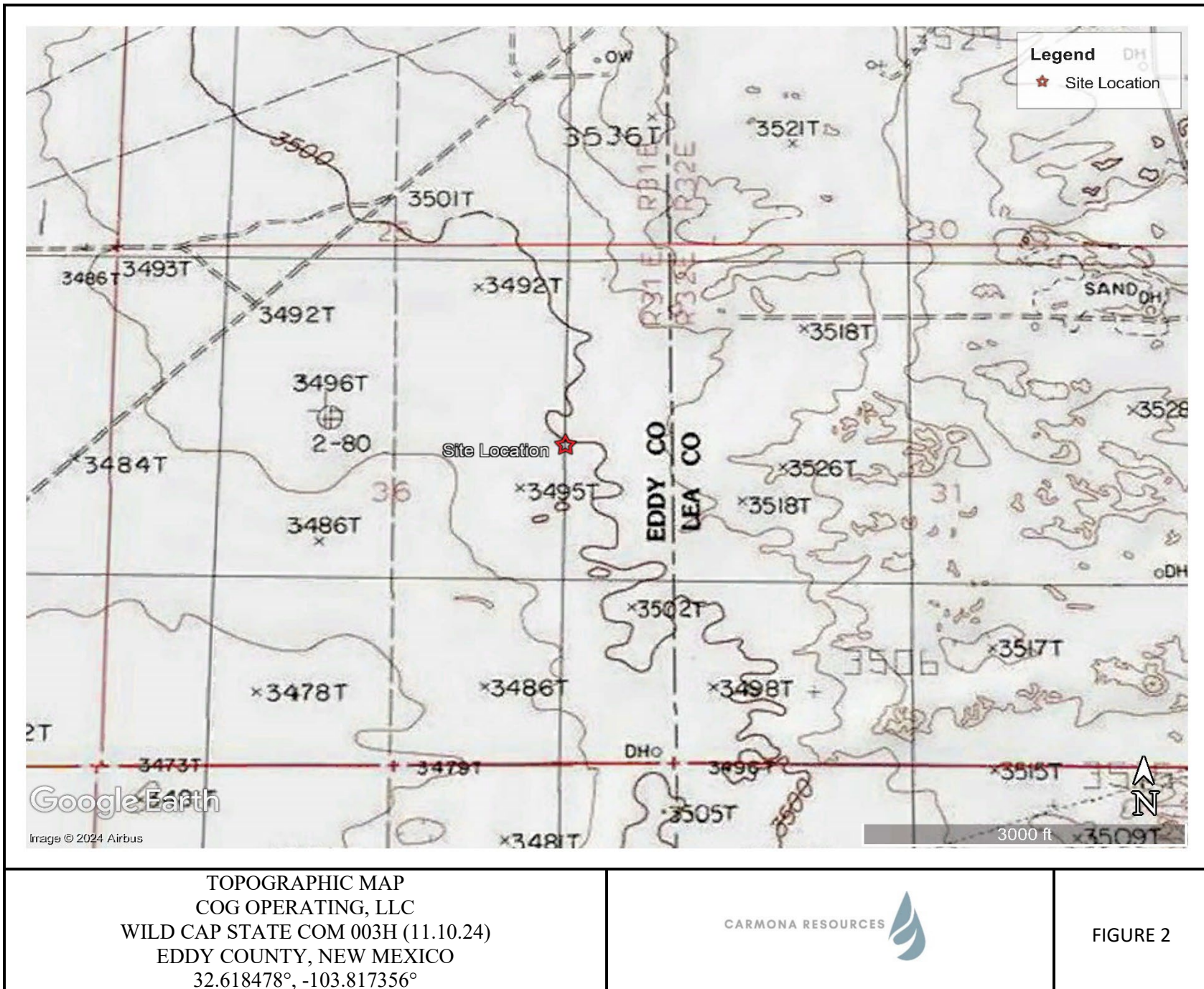
Stephen Reyes
Sr. Project Manager

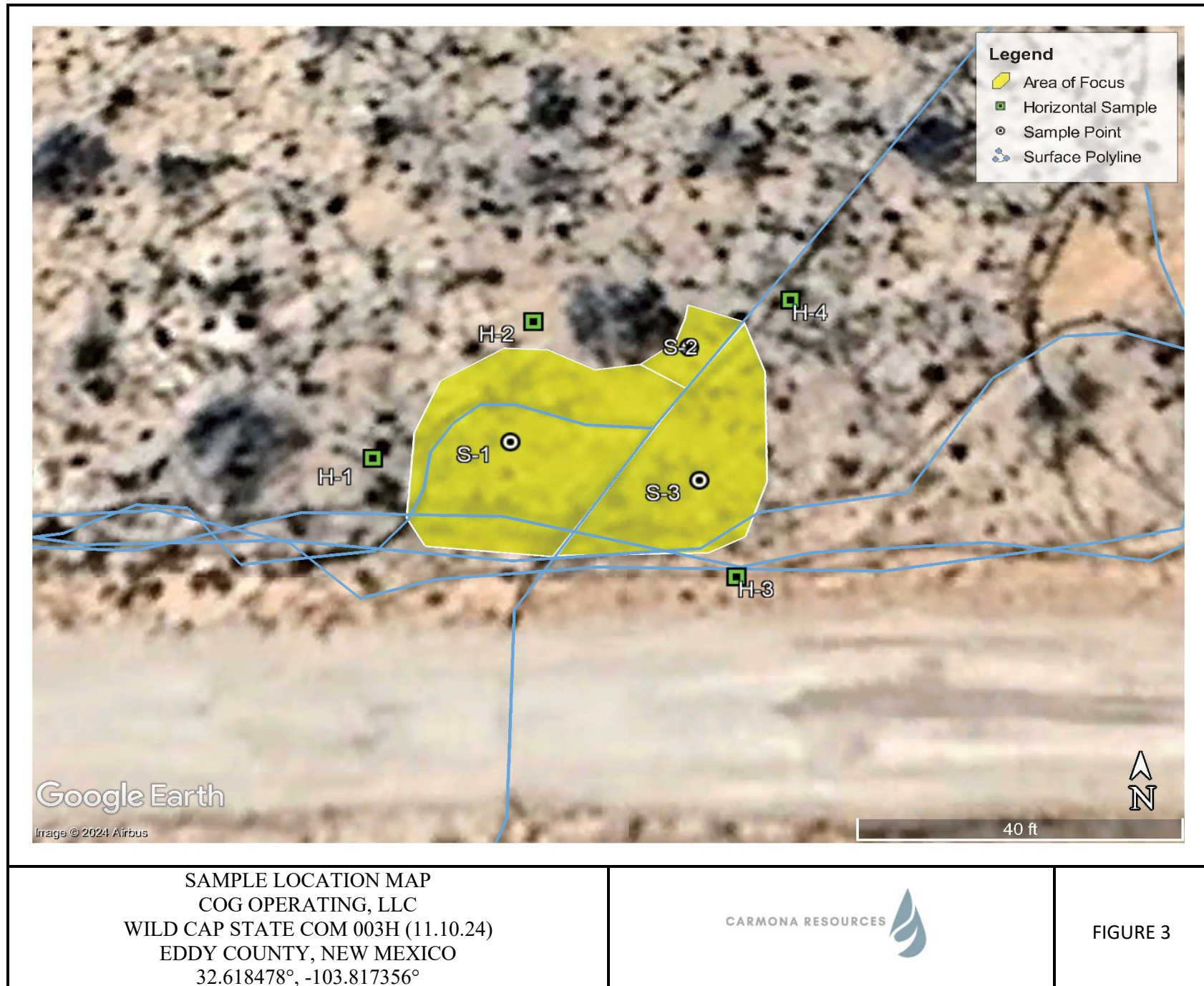
FIGURES

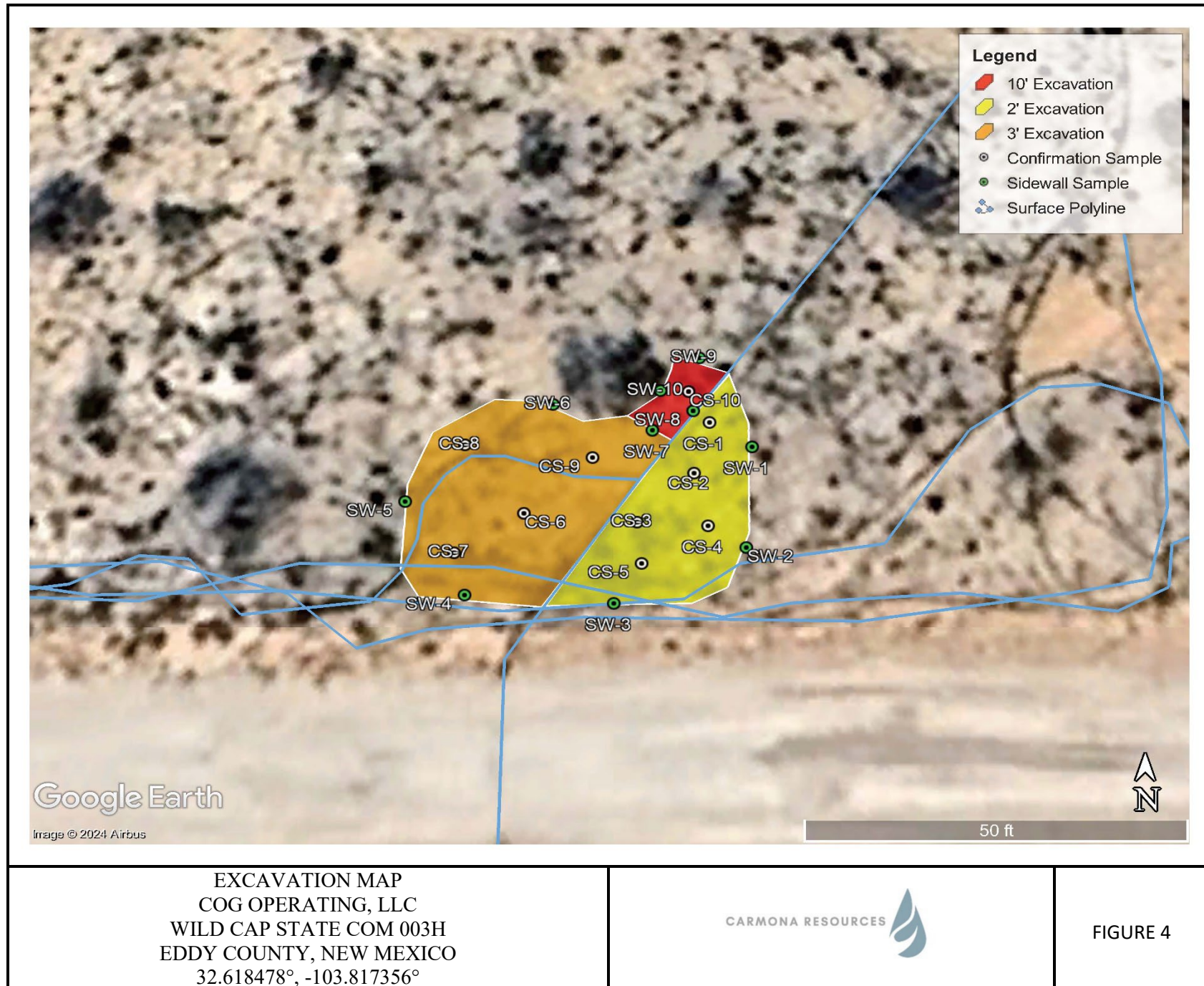
CARMONA RESOURCES

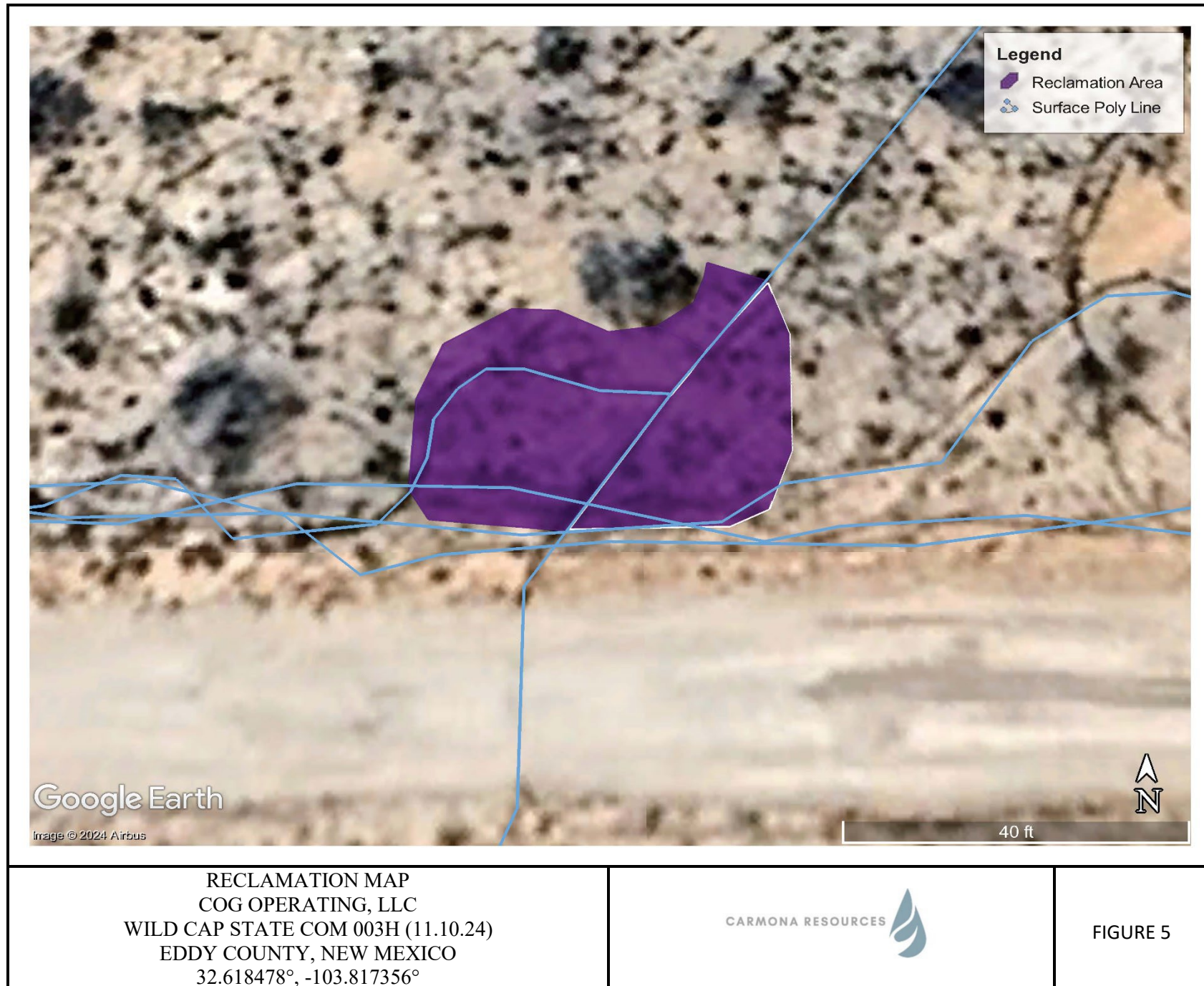












APPENDIX A

CARMONA RESOURCES



Table 1
COG Operating, LLC
Wild Cap 3 (11.10.24)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	11/25/2024	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,280
	"	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	3,730
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,690
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	305
S-2	11/25/2024	0-1'	<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	433
	"	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,790
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	6,530
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,320
	"	5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	10,700
	"	6'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	7,780
	"	7'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6,060
	"	8'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	6,130
S-3	11/25/2024	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,370
	"	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,070
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	117
	"	3'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	51.0
H-1	11/25/2024	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	46.9
H-2	11/25/2024	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	47.7
H-3	11/25/2024	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	87.0
H-4	11/25/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	80.3
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

(S) Sample Point

(H) Horizontal Point

Removed

Table 2
COG Operating, LLC
Wild Cap 3 (11.10.2024)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	1/1/2025	2.0'	<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	129
CS-2	1/1/2025	2.0'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	102
CS-3	1/1/2025	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	115
CS-4	1/1/2025	2.0'	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	97.4
CS-5	1/1/2025	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	204
CS-6	1/1/2025	3.0'	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	89.4
CS-7	1/1/2025	3.0'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	108
CS-8	1/1/2025	3.0'	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	78.2
CS-9	1/1/2025	3.0'	<50.5	<50.5	<50.5	<50.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	238
CS-10	1/1/2025	10'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	307
SW-1	1/1/2025	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	112
SW-2	1/1/2025	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	38.9
SW-3	1/1/2025	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	98.9
SW-4	1/1/2025	3.0'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	29.0
SW-5	1/1/2025	3.0'	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	33.8
SW-6	1/1/2025	3.0'	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	74.5
SW-7	1/1/2025	7'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	332
SW-8	1/1/2025	8'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	312
SW-9	1/1/2025	10'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	259
SW-10	1/1/2025	10'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	284
Backfill (Lea Land)	2/1/2025	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	228
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

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

COG Operating, LLC

Photograph No. 1

Facility: Wild Cap State Com 003H
(11.10.24)

County: Eddy County, New Mexico

Description:

View Northwest, area of concern



Photograph No. 2

Facility: Wild Cap State Com 003H
(11.10.24)

County: Eddy County, New Mexico

Description:

View East, area of concern



Photograph No. 3

Facility: Wild Cap State Com 003H
(11.10.24)

County: Eddy County, New Mexico

Description:

View Southwest, area of concern



PHOTOGRAPHIC LOG

COG Operating, LLC

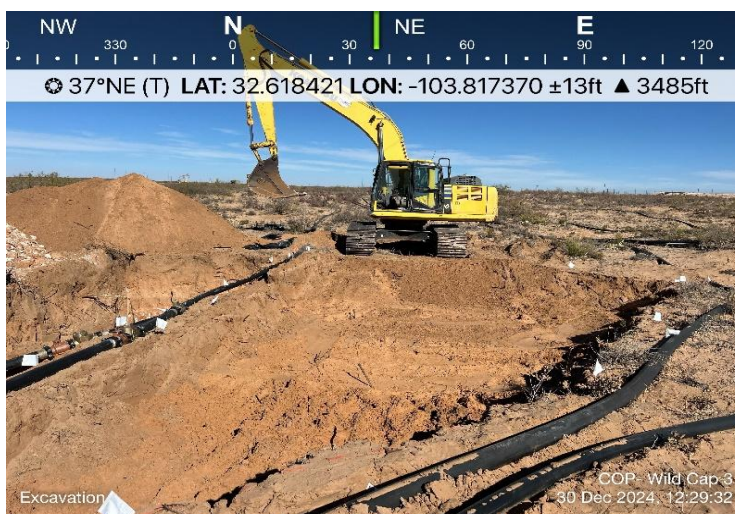
Photograph No. 4

Facility: Wild Cap State Com 003H
(11.10.24)

County: Eddy County, New Mexico

Description:

View Northeast, area of CS-1 through CS-5



Photograph No. 5

Facility: Wild Cap State Com 003H
(11.10.24)

County: Eddy County, New Mexico

Description:

View West, area of CS-6 through CS-9.



Photograph No. 6

Facility: Wild Cap State Com 003H
(11.10.24)

County: Eddy County, New Mexico

Description:

View Northwest, area of CS-10.



PHOTOGRAPHIC LOG
COG Operating, LLC

Photograph No. 7

Facility: Wild Cap State Com 003H
(11.10.24)

County: Eddy County, New Mexico

Description:
View Northeast, backfilled excavation.

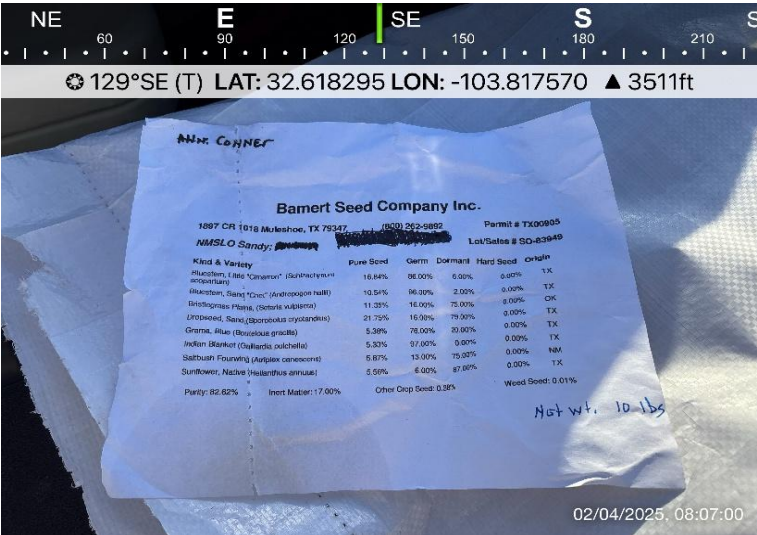


Photograph No. 8

Facility: Wild Cap State Com 003H
(11.10.24)

County: Eddy County, New Mexico

Description:
View of the seed tag.



Photograph No. 9

Facility: Wild Cap State Com 003H
(11.10.24)

County: Eddy County, New Mexico

Description:
View North, of the seed being hand broadcasted.



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 411179

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 411179
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Wild Cap State Com 003H
Date Release Discovered	11/10/2024
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 5 BBL Recovered: 0 BBL Lost: 5 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 411179

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 411179
	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)	More volume information must be supplied to determine if this will be treated as 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 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 411179

ACKNOWLEDGMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 411179
	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

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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 411179

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 411179
	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.	12/12/2024

Spill Calculation - Subsurface Spill - Cylinder							Remediation Recommendation	
Received by OCD: 2/27/2025 10:37:37 AM							Page 23 of 258	
Convert Irregular shape into a series of rectangles	Diameter (ft.)	Average Depth (in.)	On/Off Pad (dropdown)	Soil Spilled-Fluid Saturation (%)	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Total Estimated Contaminated Soil, uncompacted, 25% (yd³.)	Current Rule of Thumb RMR Handover Volume, (yd³.)
Rectangle A	15.0	5.0	Off-Pad ▾	13.69%	13.11	1.79		750
Rectangle B	20.0	5.0	Off-Pad ▾	13.69%	23.30	3.19		
Rectangle C			▾		0.00			
Rectangle D			▾		0.00			
Rectangle E			▾		0.00			
Rectangle F			▾		0.00			
Rectangle G			▾		0.00			
Rectangle H			▾		0.00			
Rectangle I			▾		0.00			
Rectangle J			▾		0.00			
Total Subsurface Volume Release:						4.9840	9.46	BU
Released to Imaging: 2/28/2025 9:52:56 AM								

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 411313

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 411313
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2434741266
Incident Name	NAPP2434741266 WILD CAP STATE COM 003H @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Facility	[fAPP2203530446] WILD CAP STATE #3H BATTERY

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Wild Cap State Com 003H
Date Release Discovered	11/10/2024
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 5 BBL Recovered: 0 BBL Lost: 5 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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Oil Conservation Division
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QUESTIONS, Page 2

Action 411313

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 411313
	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)	More info needed to determine if this will be treated as 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: 12/12/2024
--	---

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Phone: (505) 629-6116

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 3

Action 411313

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 411313
	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 411313

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 411313
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	None	12/16/2024

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

QUESTIONS

Action 415698

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 415698
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2434741266
Incident Name	NAPP2434741266 WILD CAP STATE COM 003H @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2203530446] WILD CAP STATE #3H BATTERY

Location of Release Source	
Site Name	Wild Cap State Com 003H
Date Release Discovered	11/10/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	1,610
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/01/2025
Time sampling will commence	10:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Conner Moerhring (432) 813-6823
Please provide any information necessary for navigation to sampling site	Coordinates on C-141

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

General Information
Phone: (505) 629-6116

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

State of New Mexico

Energy, Minerals and Natural Resources

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

CONDITIONS

Action 415698

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 415698
	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.	12/30/2024



Stephanie Garcia Richard, Commissioner of Public Lands
State of New Mexico

NMSLO Cultural Resources Cover Sheet Exhibit

NMCRIS Activity Number:

(if applicable)

Exhibit Type (select one)

ARMS Inspection/Review - Summarize the results (select one):

- (A) The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties** were found within the survey area.
- (B) The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found** within the survey area.
- (C) The entire area of potential effect or project area has **not** been previously surveyed or **has not been surveyed** to current standards. A complete archaeological survey will be conducted and submitted for review.

Archaeological Survey

Findings:

Negative - No further archaeological review is required.

Positive - Have avoidance and protection measures been devised? Select one:

Comments:

Project Details:

NMSLO Lease Number (if available):

Cultural Resources Consultant:

Project Proponent (Applicant):

Project Title/Description:

Project Location:

County(ies):

PLSS/Section/Township/Range):

For NMSLO Agency Use Only:

NMSLO Lease Number:

Acknowledgment-Only:

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

No person may alter the wording of the questions or layout of the cover sheet. The completion of this cover sheet by itself does not authorize anyone to engage in new surface disturbing activity before the review and approvals required by the Cultural Properties Protections Rule.

Form Revised 12 22

APPENDIX D

CARMONA RESOURCES



Nearest Water Well

COG Operating, LLC

Legend

- 0.44 Miles
- 0.50 Mile Radius
- 2.19 Miles
- 2.31 Miles
- USGS Water Well
- NMSEO Water Well
- Wild Cap State Com 003H

W.W 141.52' - 1988

142.71' - Drilled 1971

130' - Drilled 1982

Wild Cap State Com 003H

Google Earth

1 mi



Low Karst

COG Operating, LLC

Legend

-  Low
-  Wild Cap State Com 003H

 Wild Cap State Com 003H

Google Earth



4000 ft



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
CP 00641 POD1		CP	ED		SE	NW	36	19S	31E	610247.0	3609634.0 *		707	300	130	170
CP 00642 POD1		CP	ED		NE	NE	25	19S	31E	611025.0	3611657.0 *		2048	250		
CP 01939 POD1		CP	ED	NE	SE	NE	26	19S	31E	609488.4	3611347.2		2272			
CP 01864 POD1		CP	ED	SE	NE	NW	34	19S	31E	607068.1	3609824.0		3891	110		

Average Depth to Water: 130 feet

Minimum Depth: 130 feet

Maximum Depth: 130 feet

Record Count: 4

Basin/County Search:

County: ED

UTM Filters (in meters):

Easting: 610953.65

Northing: 3609610.20

Radius: 4000.0

* 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.

Point of Diversion Summary

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

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00641 POD1		SE	NW	36	19S	31E	610247.0	3609634.0 *	

* UTM location was derived from PLSS - see Help

Driller License:

882

Driller Company:

LARRY'S DRILLING & PUMP CO.

Driller Name:

FELKINS, LARRY

Drill Start Date:

1982-02-11

Drill Finish Date:

1982-02-12

Plug Date:

Log File Date:

1982-02-23

PCW Rcv Date:

Source:

Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well:

300

Depth Water:

130

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



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National Water Information System: Web Interface

USGS Water Resources

Data Category:Groundwater

Geographic Area:New Mexico

GO

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- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

 Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 323803103510001

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

USGS 323803103510001 19S.31E.27.21000

Eddy County, New Mexico
Latitude 32°38'03", Longitude 103°51'00" NAD27
Land-surface elevation 3,503 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1966-05-12			D	62610	3331.44	NGVD29	3		Z	
1966-05-12			D	62611	3333.00	NAVD88	3		Z	
1966-05-12			D	72019	170.00		3		Z	
1968-04-03			D	62610	3358.81	NGVD29	1		Z	
1968-04-03			D	62611	3360.37	NAVD88	1		Z	
1968-04-03			D	72019	142.63		1		Z	
1971-02-01			D	62610	3358.73	NGVD29	1		Z	
1971-02-01			D	62611	3360.29	NAVD88	1		Z	
1971-02-01			D	72019	142.71		1		Z	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day

Section	Code	Description
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	3	True value is above reported value due to local conditions
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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



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National Water Information System: Web Interface

USGS Water Resources

Data Category:Groundwater

Geographic Area:New Mexico

GO

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- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

 Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 323807103510601

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

USGS 323807103510601 19S.31E.27.214132

Eddy County, New Mexico
Latitude 32°38'07", Longitude 103°51'06" NAD27
Land-surface elevation 3,500 feet above NAVD88
The depth of the well is 177 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1983-01-19			D	62610	3361.91	NGVD29	1		Z	
1983-01-19			D	62611	3363.47	NAVD88	1		Z	
1983-01-19			D	72019	136.53		1		Z	
1988-02-23			D	62610	3356.92	NGVD29	1		Z	
1988-02-23			D	62611	3358.48	NAVD88	1		Z	
1988-02-23			D	72019	141.52		1		Z	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface

Section	Code	Description
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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



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Page Last Modified: 2022-02-05 17:17:49 EST
0.27 0.24 nadww01

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 12/3/2024 3:00:27 PM

JOB DESCRIPTION

Wild Cap 3 (11.10.24)
Eddy County, New Mexico

JOB NUMBER

880-51581-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



Generated
12/3/2024 3:00:27 PM

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

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Laboratory Job ID: 880-51581-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1

Job ID: 880-51581-1

Eurofins Midland

Job Narrative
880-51581-1

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 11/27/2024 10:30 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 -5.1°C.

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-3 (3') (880-51581-12) and (880-51577-A-1-E). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015MOD_NM: The closing continuing calibration verification (CCVC) associated with batch 880-96765 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-96866 and analytical batch 880-96871 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-96752 and analytical batch 880-96756 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-51581-1

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/27/24 10:59	11/27/24 14:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/27/24 10:59	11/27/24 14:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/27/24 10:59	11/27/24 14:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/27/24 10:59	11/27/24 14:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/27/24 10:59	11/27/24 14:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/27/24 10:59	11/27/24 14:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	11/27/24 10:59	11/27/24 14:51	1
1,4-Difluorobenzene (Surr)	106		70 - 130	11/27/24 10:59	11/27/24 14:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/27/24 14:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/27/24 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/27/24 10:58	11/27/24 17:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/27/24 10:58	11/27/24 17:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/27/24 10:58	11/27/24 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	11/27/24 10:58	11/27/24 17:14	1
o-Terphenyl	75		70 - 130	11/27/24 10:58	11/27/24 17:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1280		49.9		mg/Kg			12/02/24 22:25	5

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-51581-2

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/27/24 10:59	11/27/24 16:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/27/24 10:59	11/27/24 16:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/27/24 10:59	11/27/24 16:25	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/27/24 10:59	11/27/24 16:25	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/27/24 10:59	11/27/24 16:25	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/27/24 10:59	11/27/24 16:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	11/27/24 10:59	11/27/24 16:25	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/27/24 10:59	11/27/24 16:25	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-51581-2

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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			11/27/24 16:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/27/24 17:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/27/24 10:58	11/27/24 17:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/27/24 10:58	11/27/24 17:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/27/24 10:58	11/27/24 17:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				11/27/24 10:58	11/27/24 17:31	1
o-Terphenyl	70		70 - 130				11/27/24 10:58	11/27/24 17:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3730		49.5		mg/Kg			12/01/24 15:25	5

Client Sample ID: S-1 (2')

Lab Sample ID: 880-51581-3

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/27/24 10:59	11/27/24 16:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/27/24 10:59	11/27/24 16:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/27/24 10:59	11/27/24 16:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/27/24 10:59	11/27/24 16:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/27/24 10:59	11/27/24 16:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/27/24 10:59	11/27/24 16:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				11/27/24 10:59	11/27/24 16:45	1
1,4-Difluorobenzene (Surr)	107		70 - 130				11/27/24 10:59	11/27/24 16:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/27/24 16:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/02/24 16:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/02/24 14:08	12/02/24 16:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/24 14:08	12/02/24 16:05	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (2')

Lab Sample ID: 880-51581-3

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/24 14:08	12/02/24 16:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				12/02/24 14:08	12/02/24 16:05	1
o-Terphenyl	105		70 - 130				12/02/24 14:08	12/02/24 16:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3690		50.1		mg/Kg			12/01/24 15:33	5

Client Sample ID: S-1 (3')

Lab Sample ID: 880-51581-4

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/27/24 10:59	11/27/24 17:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/27/24 10:59	11/27/24 17:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/27/24 10:59	11/27/24 17:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/27/24 10:59	11/27/24 17:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/27/24 10:59	11/27/24 17:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/27/24 10:59	11/27/24 17:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				11/27/24 10:59	11/27/24 17:06	1
1,4-Difluorobenzene (Surr)	108		70 - 130				11/27/24 10:59	11/27/24 17:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/27/24 17:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/24 16:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/02/24 14:08	12/02/24 16:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/24 14:08	12/02/24 16:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 14:08	12/02/24 16:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				12/02/24 14:08	12/02/24 16:53	1
o-Terphenyl	103		70 - 130				12/02/24 14:08	12/02/24 16:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	305		9.94		mg/Kg			12/01/24 15:41	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-51581-5

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/27/24 10:59	11/27/24 17:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/27/24 10:59	11/27/24 17:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/27/24 10:59	11/27/24 17:26	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		11/27/24 10:59	11/27/24 17:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/27/24 10:59	11/27/24 17:26	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		11/27/24 10:59	11/27/24 17:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	11/27/24 10:59	11/27/24 17:26	1
1,4-Difluorobenzene (Surr)	107		70 - 130	11/27/24 10:59	11/27/24 17:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			11/27/24 17:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			12/02/24 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		12/02/24 14:08	12/02/24 17:10	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		12/02/24 14:08	12/02/24 17:10	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		12/02/24 14:08	12/02/24 17:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	12/02/24 14:08	12/02/24 17:10	1
o-Terphenyl	94		70 - 130	12/02/24 14:08	12/02/24 17:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	433	F1	10.0		mg/Kg			12/01/24 15:49	1

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-51581-6

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/27/24 10:59	11/27/24 17:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/27/24 10:59	11/27/24 17:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/27/24 10:59	11/27/24 17:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/27/24 10:59	11/27/24 17:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/27/24 10:59	11/27/24 17:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/27/24 10:59	11/27/24 17:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	11/27/24 10:59	11/27/24 17:47	1
1,4-Difluorobenzene (Surr)	106		70 - 130	11/27/24 10:59	11/27/24 17:47	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-51581-6

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/27/24 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/02/24 17:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/02/24 14:08	12/02/24 17:26	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/02/24 14:08	12/02/24 17:26	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/02/24 14:08	12/02/24 17:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				12/02/24 14:08	12/02/24 17:26	1
o-Terphenyl	101		70 - 130				12/02/24 14:08	12/02/24 17:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4790		50.1		mg/Kg			12/01/24 16:14	5

Client Sample ID: S-2 (2')

Lab Sample ID: 880-51581-7

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/27/24 10:59	11/27/24 18:07	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/27/24 10:59	11/27/24 18:07	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/27/24 10:59	11/27/24 18:07	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/27/24 10:59	11/27/24 18:07	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/27/24 10:59	11/27/24 18:07	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/27/24 10:59	11/27/24 18:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				11/27/24 10:59	11/27/24 18:07	1
1,4-Difluorobenzene (Surr)	109		70 - 130				11/27/24 10:59	11/27/24 18:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/27/24 18:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/02/24 17:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/02/24 14:08	12/02/24 17:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/24 14:08	12/02/24 17:43	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (2')

Lab Sample ID: 880-51581-7

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/24 14:08	12/02/24 17:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				12/02/24 14:08	12/02/24 17:43	1
o-Terphenyl	100		70 - 130				12/02/24 14:08	12/02/24 17:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6530		100		mg/Kg			12/01/24 16:22	10

Client Sample ID: S-2 (3')

Lab Sample ID: 880-51581-8

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/27/24 10:59	11/27/24 18:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/27/24 10:59	11/27/24 18:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/27/24 10:59	11/27/24 18:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/27/24 10:59	11/27/24 18:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/27/24 10:59	11/27/24 18:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/27/24 10:59	11/27/24 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				11/27/24 10:59	11/27/24 18:28	1
1,4-Difluorobenzene (Surr)	106		70 - 130				11/27/24 10:59	11/27/24 18:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/27/24 18:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/02/24 17:59	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		12/02/24 14:08	12/02/24 17:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/24 14:08	12/02/24 17:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/24 14:08	12/02/24 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				12/02/24 14:08	12/02/24 17:59	1
o-Terphenyl	111		70 - 130				12/02/24 14:08	12/02/24 17:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4320		101		mg/Kg			12/01/24 16:46	10

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Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-51581-9

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/27/24 10:59	11/27/24 18:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/27/24 10:59	11/27/24 18:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/27/24 10:59	11/27/24 18:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/27/24 10:59	11/27/24 18:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/27/24 10:59	11/27/24 18:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/27/24 10:59	11/27/24 18:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	11/27/24 10:59	11/27/24 18:48	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/27/24 10:59	11/27/24 18:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/27/24 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/02/24 18:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/02/24 14:08	12/02/24 18:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/24 14:08	12/02/24 18:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/24 14:08	12/02/24 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	12/02/24 14:08	12/02/24 18:15	1
o-Terphenyl	107		70 - 130	12/02/24 14:08	12/02/24 18:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4370		99.2		mg/Kg			12/01/24 16:54	10

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-51581-10

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/27/24 10:59	11/27/24 19:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/27/24 10:59	11/27/24 19:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/27/24 10:59	11/27/24 19:09	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/27/24 10:59	11/27/24 19:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/27/24 10:59	11/27/24 19:09	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/27/24 10:59	11/27/24 19:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	11/27/24 10:59	11/27/24 19:09	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/27/24 10:59	11/27/24 19:09	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-51581-10

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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			11/27/24 19:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/02/24 18:31	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	<49.9	U	49.9		mg/Kg		12/02/24 14:08	12/02/24 18:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/24 14:08	12/02/24 18:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/24 14:08	12/02/24 18:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				12/02/24 14:08	12/02/24 18:31	1
o-Terphenyl	92		70 - 130				12/02/24 14:08	12/02/24 18:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1070		10.1		mg/Kg			12/01/24 17:02	1

Client Sample ID: S-3 (2')

Lab Sample ID: 880-51581-11

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/27/24 10:59	11/27/24 19:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/27/24 10:59	11/27/24 19:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/27/24 10:59	11/27/24 19:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/27/24 10:59	11/27/24 19:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/27/24 10:59	11/27/24 19:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/27/24 10:59	11/27/24 19:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				11/27/24 10:59	11/27/24 19:29	1
1,4-Difluorobenzene (Surr)	106		70 - 130				11/27/24 10:59	11/27/24 19:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/27/24 19:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/24 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/02/24 14:08	12/02/24 18:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/24 14:08	12/02/24 18:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (2')

Lab Sample ID: 880-51581-11

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 14:08	12/02/24 18:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				12/02/24 14:08	12/02/24 18:48	1
o-Terphenyl	102		70 - 130				12/02/24 14:08	12/02/24 18:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117		9.94		mg/Kg			12/01/24 17:11	1

Client Sample ID: S-3 (3')

Lab Sample ID: 880-51581-12

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/27/24 14:15	11/27/24 18:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/27/24 14:15	11/27/24 18:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/27/24 14:15	11/27/24 18:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/27/24 14:15	11/27/24 18:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/27/24 14:15	11/27/24 18:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/27/24 14:15	11/27/24 18:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130				11/27/24 14:15	11/27/24 18:09	1
1,4-Difluorobenzene (Surr)	84		70 - 130				11/27/24 14:15	11/27/24 18:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/27/24 18:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/02/24 19:04	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	<50.1	U	50.1		mg/Kg		12/02/24 14:08	12/02/24 19:04	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/02/24 14:08	12/02/24 19:04	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/02/24 14:08	12/02/24 19:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				12/02/24 14:08	12/02/24 19:04	1
o-Terphenyl	103		70 - 130				12/02/24 14:08	12/02/24 19:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.0		10.0		mg/Kg			12/01/24 17:19	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
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)
880-51577-A-1-C MS	Matrix Spike	110	84
880-51577-A-1-D MSD	Matrix Spike Duplicate	127	89
880-51581-1	S-1 (0-1')	106	106
880-51581-2	S-1 (1.5')	114	108
880-51581-3	S-1 (2')	112	107
880-51581-4	S-1 (3')	112	108
880-51581-5	S-2 (0-1')	108	107
880-51581-6	S-2 (1.5')	109	106
880-51581-7	S-2 (2')	111	109
880-51581-8	S-2 (3')	108	106
880-51581-9	S-3 (0-1')	110	108
880-51581-10	S-3 (1.5')	113	108
880-51581-11	S-3 (2')	108	106
880-51581-12	S-3 (3')	145 S1+	84
890-7422-A-1-A MS	Matrix Spike	109	105
890-7422-A-1-B MSD	Matrix Spike Duplicate	106	104
LCS 880-96712/1-A	Lab Control Sample	109	103
LCS 880-96753/1-A	Lab Control Sample	129	79
LCSD 880-96712/2-A	Lab Control Sample Dup	103	103
LCSD 880-96753/2-A	Lab Control Sample Dup	117	86
MB 880-96712/5-A	Method Blank	108	101
MB 880-96753/5-A	Method Blank	104	81
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)
880-51576-A-1-D MS	Matrix Spike	98	86
880-51576-A-1-E MSD	Matrix Spike Duplicate	99	84
880-51581-1	S-1 (0-1')	98	75
880-51581-2	S-1 (1.5')	90	70
880-51581-3	S-1 (2')	112	105
880-51581-3 MS	S-1 (2')	109	106
880-51581-3 MSD	S-1 (2')	109	105
880-51581-4	S-1 (3')	114	103
880-51581-5	S-2 (0-1')	105	94
880-51581-6	S-2 (1.5')	112	101
880-51581-7	S-2 (2')	110	100
880-51581-8	S-2 (3')	122	111
880-51581-9	S-3 (0-1')	117	107
880-51581-10	S-3 (1.5')	103	92
880-51581-11	S-3 (2')	113	102
880-51581-12	S-3 (3')	116	103
LCS 880-96751/2-A	Lab Control Sample	93	83

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-51581-1

Project/Site: Wild Cap 3 (11.10.24)

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)
LCS 880-96875/2-A	Lab Control Sample	114	114
LCSD 880-96751/3-A	Lab Control Sample Dup	91	81
LCSD 880-96875/3-A	Lab Control Sample Dup	105	105
MB 880-96751/1-A	Method Blank	87	72
MB 880-96875/1-A	Method Blank	97	91

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-96712/5-A

Matrix: Solid

Analysis Batch: 96694

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96712

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/27/24 08:57	11/27/24 11:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/27/24 08:57	11/27/24 11:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/27/24 08:57	11/27/24 11:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/27/24 08:57	11/27/24 11:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/27/24 08:57	11/27/24 11:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/27/24 08:57	11/27/24 11:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	11/27/24 08:57	11/27/24 11:25	1
1,4-Difluorobenzene (Surr)	101		70 - 130	11/27/24 08:57	11/27/24 11:25	1

Lab Sample ID: LCS 880-96712/1-A

Matrix: Solid

Analysis Batch: 96694

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96712

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1103		mg/Kg		110	70 - 130
Toluene	0.100	0.1095		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.1097		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	0.200	0.2220		mg/Kg		111	70 - 130
o-Xylene	0.100	0.1138		mg/Kg		114	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-96712/2-A

Matrix: Solid

Analysis Batch: 96694

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96712

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1123		mg/Kg		112	70 - 130	2	35
Toluene	0.100	0.1112		mg/Kg		111	70 - 130	1	35
Ethylbenzene	0.100	0.1109		mg/Kg		111	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2249		mg/Kg		112	70 - 130	1	35
o-Xylene	0.100	0.1157		mg/Kg		116	70 - 130	2	35

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

Lab Sample ID: 890-7422-A-1-A MS

Matrix: Solid

Analysis Batch: 96694

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96712

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1123		mg/Kg		112	70 - 130
Toluene	<0.00200	U	0.100	0.1078		mg/Kg		108	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-7422-A-1-A MS

Matrix: Solid

Analysis Batch: 96694

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96712

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1070		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2141		mg/Kg		107	70 - 130
o-Xylene	<0.00200	U	0.100	0.1123		mg/Kg		112	70 - 130

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

Lab Sample ID: 890-7422-A-1-B MSD

Matrix: Solid

Analysis Batch: 96694

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 96712

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0994	0.1074		mg/Kg		108	70 - 130	4	35
Toluene	<0.00200	U	0.0994	0.1018		mg/Kg		102	70 - 130	6	35
Ethylbenzene	<0.00200	U	0.0994	0.1008		mg/Kg		101	70 - 130	6	35
m-Xylene & p-Xylene	<0.00399	U	0.199	0.2012		mg/Kg		101	70 - 130	6	35
o-Xylene	<0.00200	U	0.0994	0.1066		mg/Kg		107	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-96753/5-A

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96753

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 14:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 14:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 14:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/27/24 11:00	11/27/24 14:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 14:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/27/24 11:00	11/27/24 14:37	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	11/27/24 11:00	11/27/24 14:37	1
1,4-Difluorobenzene (Surr)	81		70 - 130	11/27/24 11:00	11/27/24 14:37	1

Lab Sample ID: LCS 880-96753/1-A

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96753

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1246		mg/Kg		125	70 - 130
Toluene	0.100	0.1190		mg/Kg		119	70 - 130
Ethylbenzene	0.100	0.1233		mg/Kg		123	70 - 130
m-Xylene & p-Xylene	0.200	0.2462		mg/Kg		123	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-96753/1-A

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96753

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1216		mg/Kg		122	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	79		70 - 130

Lab Sample ID: LCSD 880-96753/2-A

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96753

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1053		mg/Kg		105	70 - 130	17	35
Toluene	0.100	0.1006		mg/Kg		101	70 - 130	17	35
Ethylbenzene	0.100	0.1022		mg/Kg		102	70 - 130	19	35
m-Xylene & p-Xylene	0.200	0.2047		mg/Kg		102	70 - 130	18	35
o-Xylene	0.100	0.1026		mg/Kg		103	70 - 130	17	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: 880-51577-A-1-C MS

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96753

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08623		mg/Kg		86	70 - 130
Toluene	<0.00200	U	0.100	0.08106		mg/Kg		81	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08416		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1645		mg/Kg		82	70 - 130
o-Xylene	<0.00200	U	0.100	0.08208		mg/Kg		82	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: 880-51577-A-1-D MSD

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 96753

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0994	0.09836		mg/Kg		99	70 - 130	13	35
Toluene	<0.00200	U	0.0994	0.09235		mg/Kg		93	70 - 130	13	35
Ethylbenzene	<0.00200	U	0.0994	0.09392		mg/Kg		94	70 - 130	11	35
m-Xylene & p-Xylene	<0.00399	U	0.199	0.1842		mg/Kg		93	70 - 130	11	35
o-Xylene	<0.00200	U	0.0994	0.09305		mg/Kg		94	70 - 130	13	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-51577-A-1-D MSD

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 96753

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

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

Lab Sample ID: MB 880-96751/1-A

Matrix: Solid

Analysis Batch: 96765

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96751

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/27/24 10:58	11/27/24 10:23	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/27/24 10:58	11/27/24 10:23	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/27/24 10:58	11/27/24 10:23	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	87		70 - 130				11/27/24 10:58	11/27/24 10:23	1	
o-Terphenyl	72		70 - 130				11/27/24 10:58	11/27/24 10:23	1	

Lab Sample ID: LCS 880-96751/2-A

Matrix: Solid

Analysis Batch: 96765

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96751

Analyte	Spike	LCS	LCS							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1037		mg/Kg		104		70 - 130		
Diesel Range Organics (Over C10-C28)	1000	839.5		mg/Kg		84		70 - 130		
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	93		70 - 130							
o-Terphenyl	83		70 - 130							

Lab Sample ID: LCSD 880-96751/3-A

Matrix: Solid

Analysis Batch: 96765

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96751

Analyte	Spike	LCSD	LCSD							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1027		mg/Kg		103		70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	810.7		mg/Kg		81		70 - 130	3	20
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	91		70 - 130							
o-Terphenyl	81		70 - 130							

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QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-51576-A-1-D MS

Matrix: Solid

Analysis Batch: 96765

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96751

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	997	860.9		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	708.0		mg/Kg		71	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	98		70 - 130						
o-Terphenyl	86		70 - 130						

Lab Sample ID: 880-51576-A-1-E MSD

Matrix: Solid

Analysis Batch: 96765

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 96751

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	997	825.5		mg/Kg		83	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	694.9		mg/Kg		70	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	99		70 - 130								
o-Terphenyl	84		70 - 130								

Lab Sample ID: MB 880-96875/1-A

Matrix: Solid

Analysis Batch: 96878

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/02/24 14:08	12/02/24 10:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/24 14:08	12/02/24 10:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 14:08	12/02/24 10:10	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				12/02/24 14:08	12/02/24 10:10	1
o-Terphenyl	91		70 - 130				12/02/24 14:08	12/02/24 10:10	1

Lab Sample ID: LCS 880-96875/2-A

Matrix: Solid

Analysis Batch: 96878

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96875

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1135		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1068		mg/Kg		107	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-96875/2-A

Matrix: Solid

Analysis Batch: 96878

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96875

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

Lab Sample ID: LCSD 880-96875/3-A

Matrix: Solid

Analysis Batch: 96878

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96875

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1073		mg/Kg		107	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	976.0		mg/Kg		98	70 - 130	9	20

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

Lab Sample ID: 880-51581-3 MS

Matrix: Solid

Analysis Batch: 96878

Client Sample ID: S-1 (2')

Prep Type: Total/NA

Prep Batch: 96875

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	808.9		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	766.1		mg/Kg		72	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: 880-51581-3 MSD

Matrix: Solid

Analysis Batch: 96878

Client Sample ID: S-1 (2')

Prep Type: Total/NA

Prep Batch: 96875

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	822.2		mg/Kg		82	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	759.9		mg/Kg		72	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	105		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-96752/1-A

Matrix: Solid

Analysis Batch: 96756

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/01/24 13:31	1

Lab Sample ID: LCS 880-96752/2-A

Matrix: Solid

Analysis Batch: 96756

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.4		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-96752/3-A

Matrix: Solid

Analysis Batch: 96756

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	243.1		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-51581-5 MS

Matrix: Solid

Analysis Batch: 96756

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	433	F1	251	779.2	F1	mg/Kg		138	90 - 110

Lab Sample ID: 880-51581-5 MSD

Matrix: Solid

Analysis Batch: 96756

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	433	F1	251	780.4	F1	mg/Kg		138	90 - 110	0	20

Lab Sample ID: MB 880-96866/1-A

Matrix: Solid

Analysis Batch: 96871

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/02/24 16:54	1

Lab Sample ID: LCS 880-96866/2-A

Matrix: Solid

Analysis Batch: 96871

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	250.7		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-96866/3-A

Matrix: Solid

Analysis Batch: 96871

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	250.2		mg/Kg		100	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-51608-A-3-C MS
Matrix: Solid
Analysis Batch: 96871

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	43.0	F1	252	355.0	F1	mg/Kg		124	90 - 110		

Lab Sample ID: 880-51608-A-3-D MSD
Matrix: Solid
Analysis Batch: 96871

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	43.0	F1	252	367.5	F1	mg/Kg		129	90 - 110	3	20

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 96692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51581-12	S-3 (3')	Total/NA	Solid	8021B	96753
MB 880-96753/5-A	Method Blank	Total/NA	Solid	8021B	96753
LCS 880-96753/1-A	Lab Control Sample	Total/NA	Solid	8021B	96753
LCSD 880-96753/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96753
880-51577-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	96753
880-51577-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	96753

Analysis Batch: 96694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51581-1	S-1 (0-1')	Total/NA	Solid	8021B	96712
880-51581-2	S-1 (1.5')	Total/NA	Solid	8021B	96712
880-51581-3	S-1 (2')	Total/NA	Solid	8021B	96712
880-51581-4	S-1 (3')	Total/NA	Solid	8021B	96712
880-51581-5	S-2 (0-1')	Total/NA	Solid	8021B	96712
880-51581-6	S-2 (1.5')	Total/NA	Solid	8021B	96712
880-51581-7	S-2 (2')	Total/NA	Solid	8021B	96712
880-51581-8	S-2 (3')	Total/NA	Solid	8021B	96712
880-51581-9	S-3 (0-1')	Total/NA	Solid	8021B	96712
880-51581-10	S-3 (1.5')	Total/NA	Solid	8021B	96712
880-51581-11	S-3 (2')	Total/NA	Solid	8021B	96712
MB 880-96712/5-A	Method Blank	Total/NA	Solid	8021B	96712
LCS 880-96712/1-A	Lab Control Sample	Total/NA	Solid	8021B	96712
LCSD 880-96712/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96712
890-7422-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	96712
890-7422-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	96712

Prep Batch: 96712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51581-1	S-1 (0-1')	Total/NA	Solid	5035	
880-51581-2	S-1 (1.5')	Total/NA	Solid	5035	
880-51581-3	S-1 (2')	Total/NA	Solid	5035	
880-51581-4	S-1 (3')	Total/NA	Solid	5035	
880-51581-5	S-2 (0-1')	Total/NA	Solid	5035	
880-51581-6	S-2 (1.5')	Total/NA	Solid	5035	
880-51581-7	S-2 (2')	Total/NA	Solid	5035	
880-51581-8	S-2 (3')	Total/NA	Solid	5035	
880-51581-9	S-3 (0-1')	Total/NA	Solid	5035	
880-51581-10	S-3 (1.5')	Total/NA	Solid	5035	
880-51581-11	S-3 (2')	Total/NA	Solid	5035	
MB 880-96712/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96712/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96712/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7422-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-7422-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 96753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51581-12	S-3 (3')	Total/NA	Solid	5035	
MB 880-96753/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96753/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96753/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Prep Batch: 96753 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51577-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-51577-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 96810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51581-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-51581-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-51581-3	S-1 (2')	Total/NA	Solid	Total BTEX	
880-51581-4	S-1 (3')	Total/NA	Solid	Total BTEX	
880-51581-5	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-51581-6	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-51581-7	S-2 (2')	Total/NA	Solid	Total BTEX	
880-51581-8	S-2 (3')	Total/NA	Solid	Total BTEX	
880-51581-9	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-51581-10	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-51581-11	S-3 (2')	Total/NA	Solid	Total BTEX	
880-51581-12	S-3 (3')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 96751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51581-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-51581-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-96751/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-96751/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-96751/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-51576-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-51576-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 96765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51581-1	S-1 (0-1')	Total/NA	Solid	8015B NM	96751
880-51581-2	S-1 (1.5')	Total/NA	Solid	8015B NM	96751
MB 880-96751/1-A	Method Blank	Total/NA	Solid	8015B NM	96751
LCS 880-96751/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	96751
LCSD 880-96751/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	96751
880-51576-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	96751
880-51576-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	96751

Prep Batch: 96875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51581-3	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-51581-4	S-1 (3')	Total/NA	Solid	8015NM Prep	
880-51581-5	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-51581-6	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-51581-7	S-2 (2')	Total/NA	Solid	8015NM Prep	
880-51581-8	S-2 (3')	Total/NA	Solid	8015NM Prep	
880-51581-9	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-51581-10	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-51581-11	S-3 (2')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 96875 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51581-12	S-3 (3')	Total/NA	Solid	8015NM Prep	
MB 880-96875/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-96875/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-96875/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-51581-3 MS	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-51581-3 MSD	S-1 (2')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 96878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51581-3	S-1 (2')	Total/NA	Solid	8015B NM	96875
880-51581-4	S-1 (3')	Total/NA	Solid	8015B NM	96875
880-51581-5	S-2 (0-1')	Total/NA	Solid	8015B NM	96875
880-51581-6	S-2 (1.5')	Total/NA	Solid	8015B NM	96875
880-51581-7	S-2 (2')	Total/NA	Solid	8015B NM	96875
880-51581-8	S-2 (3')	Total/NA	Solid	8015B NM	96875
880-51581-9	S-3 (0-1')	Total/NA	Solid	8015B NM	96875
880-51581-10	S-3 (1.5')	Total/NA	Solid	8015B NM	96875
880-51581-11	S-3 (2')	Total/NA	Solid	8015B NM	96875
880-51581-12	S-3 (3')	Total/NA	Solid	8015B NM	96875
MB 880-96875/1-A	Method Blank	Total/NA	Solid	8015B NM	96875
LCS 880-96875/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	96875
LCSD 880-96875/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	96875
880-51581-3 MS	S-1 (2')	Total/NA	Solid	8015B NM	96875
880-51581-3 MSD	S-1 (2')	Total/NA	Solid	8015B NM	96875

Analysis Batch: 96974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51581-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-51581-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-51581-3	S-1 (2')	Total/NA	Solid	8015 NM	
880-51581-4	S-1 (3')	Total/NA	Solid	8015 NM	
880-51581-5	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-51581-6	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-51581-7	S-2 (2')	Total/NA	Solid	8015 NM	
880-51581-8	S-2 (3')	Total/NA	Solid	8015 NM	
880-51581-9	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-51581-10	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-51581-11	S-3 (2')	Total/NA	Solid	8015 NM	
880-51581-12	S-3 (3')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 96752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51581-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-51581-3	S-1 (2')	Soluble	Solid	DI Leach	
880-51581-4	S-1 (3')	Soluble	Solid	DI Leach	
880-51581-5	S-2 (0-1')	Soluble	Solid	DI Leach	
880-51581-6	S-2 (1.5')	Soluble	Solid	DI Leach	
880-51581-7	S-2 (2')	Soluble	Solid	DI Leach	
880-51581-8	S-2 (3')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 96752 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51581-9	S-3 (0-1')	Soluble	Solid	DI Leach	
880-51581-10	S-3 (1.5')	Soluble	Solid	DI Leach	
880-51581-11	S-3 (2')	Soluble	Solid	DI Leach	
880-51581-12	S-3 (3')	Soluble	Solid	DI Leach	
MB 880-96752/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-96752/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-96752/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-51581-5 MS	S-2 (0-1')	Soluble	Solid	DI Leach	
880-51581-5 MSD	S-2 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 96756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51581-2	S-1 (1.5')	Soluble	Solid	300.0	96752
880-51581-3	S-1 (2')	Soluble	Solid	300.0	96752
880-51581-4	S-1 (3')	Soluble	Solid	300.0	96752
880-51581-5	S-2 (0-1')	Soluble	Solid	300.0	96752
880-51581-6	S-2 (1.5')	Soluble	Solid	300.0	96752
880-51581-7	S-2 (2')	Soluble	Solid	300.0	96752
880-51581-8	S-2 (3')	Soluble	Solid	300.0	96752
880-51581-9	S-3 (0-1')	Soluble	Solid	300.0	96752
880-51581-10	S-3 (1.5')	Soluble	Solid	300.0	96752
880-51581-11	S-3 (2')	Soluble	Solid	300.0	96752
880-51581-12	S-3 (3')	Soluble	Solid	300.0	96752
MB 880-96752/1-A	Method Blank	Soluble	Solid	300.0	96752
LCS 880-96752/2-A	Lab Control Sample	Soluble	Solid	300.0	96752
LCSD 880-96752/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	96752
880-51581-5 MS	S-2 (0-1')	Soluble	Solid	300.0	96752
880-51581-5 MSD	S-2 (0-1')	Soluble	Solid	300.0	96752

Leach Batch: 96866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51581-1	S-1 (0-1')	Soluble	Solid	DI Leach	
MB 880-96866/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-96866/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-96866/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-51608-A-3-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-51608-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 96871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51581-1	S-1 (0-1')	Soluble	Solid	300.0	96866
MB 880-96866/1-A	Method Blank	Soluble	Solid	300.0	96866
LCS 880-96866/2-A	Lab Control Sample	Soluble	Solid	300.0	96866
LCSD 880-96866/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	96866
880-51608-A-3-C MS	Matrix Spike	Soluble	Solid	300.0	96866
880-51608-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	96866

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (0-1')
Date Collected: 11/25/24 00:00
Date Received: 11/27/24 10:30

Lab Sample ID: 880-51581-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	96712	11/27/24 10:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96694	11/27/24 14:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96810	11/27/24 14:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			96974	11/27/24 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96751	11/27/24 10:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96765	11/27/24 17:14	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	96866	12/02/24 12:15	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96871	12/02/24 22:25	SMC	EET MID

Client Sample ID: S-1 (1.5')
Date Collected: 11/25/24 00:00
Date Received: 11/27/24 10:30

Lab Sample ID: 880-51581-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	96712	11/27/24 10:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96694	11/27/24 16:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96810	11/27/24 16:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			96974	11/27/24 17:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96751	11/27/24 10:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96765	11/27/24 17:31	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	96752	11/27/24 10:59	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96756	12/01/24 15:25	CH	EET MID

Client Sample ID: S-1 (2')
Date Collected: 11/25/24 00:00
Date Received: 11/27/24 10:30

Lab Sample ID: 880-51581-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	96712	11/27/24 10:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96694	11/27/24 16:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96810	11/27/24 16:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			96974	12/02/24 16:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	96875	12/02/24 14:08	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96878	12/02/24 16:05	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	96752	11/27/24 10:59	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96756	12/01/24 15:33	CH	EET MID

Client Sample ID: S-1 (3')
Date Collected: 11/25/24 00:00
Date Received: 11/27/24 10:30

Lab Sample ID: 880-51581-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	96712	11/27/24 10:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96694	11/27/24 17:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96810	11/27/24 17:06	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (3')

Date Collected: 11/25/24 00:00

Date Received: 11/27/24 10:30

Lab Sample ID: 880-51581-4

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			96974	12/02/24 16:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96875	12/02/24 14:08	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96878	12/02/24 16:53	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	96752	11/27/24 10:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96756	12/01/24 15:41	CH	EET MID

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

Date Collected: 11/25/24 00:00

Date Received: 11/27/24 10:30

Lab Sample ID: 880-51581-5

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			5.04 g	5 mL	96712	11/27/24 10:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96694	11/27/24 17:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96810	11/27/24 17:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			96974	12/02/24 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	96875	12/02/24 14:08	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96878	12/02/24 17:10	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	96752	11/27/24 10:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96756	12/01/24 15:49	CH	EET MID

Client Sample ID: S-2 (1.5')

Date Collected: 11/25/24 00:00

Date Received: 11/27/24 10:30

Lab Sample ID: 880-51581-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	96712	11/27/24 10:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96694	11/27/24 17:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96810	11/27/24 17:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			96974	12/02/24 17:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	96875	12/02/24 14:08	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96878	12/02/24 17:26	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	96752	11/27/24 10:59	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96756	12/01/24 16:14	CH	EET MID

Client Sample ID: S-2 (2')

Date Collected: 11/25/24 00:00

Date Received: 11/27/24 10:30

Lab Sample ID: 880-51581-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	96712	11/27/24 10:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96694	11/27/24 18:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96810	11/27/24 18:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			96974	12/02/24 17:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	96875	12/02/24 14:08	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96878	12/02/24 17:43	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (2')**Lab Sample ID: 880-51581-7****Date Collected: 11/25/24 00:00****Matrix: Solid****Date Received: 11/27/24 10:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	96752	11/27/24 10:59	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96756	12/01/24 16:22	CH	EET MID

Client Sample ID: S-2 (3')**Lab Sample ID: 880-51581-8****Date Collected: 11/25/24 00:00****Matrix: Solid****Date Received: 11/27/24 10:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	96712	11/27/24 10:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96694	11/27/24 18:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96810	11/27/24 18:28	AJ	EET MID
Total/NA	Analysis	8015 NM		1			96974	12/02/24 17:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	96875	12/02/24 14:08	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96878	12/02/24 17:59	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	96752	11/27/24 10:59	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96756	12/01/24 16:46	CH	EET MID

Client Sample ID: S-3 (0-1')**Lab Sample ID: 880-51581-9****Date Collected: 11/25/24 00:00****Matrix: Solid****Date Received: 11/27/24 10:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	96712	11/27/24 10:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96694	11/27/24 18:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96810	11/27/24 18:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			96974	12/02/24 18:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96875	12/02/24 14:08	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96878	12/02/24 18:15	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	96752	11/27/24 10:59	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96756	12/01/24 16:54	CH	EET MID

Client Sample ID: S-3 (1.5')**Lab Sample ID: 880-51581-10****Date Collected: 11/25/24 00:00****Matrix: Solid****Date Received: 11/27/24 10:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	96712	11/27/24 10:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96694	11/27/24 19:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96810	11/27/24 19:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			96974	12/02/24 18:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	96875	12/02/24 14:08	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96878	12/02/24 18:31	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	96752	11/27/24 10:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96756	12/01/24 17:02	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (2')
Date Collected: 11/25/24 00:00
Date Received: 11/27/24 10:30

Lab Sample ID: 880-51581-11
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			5.02 g	5 mL	96712	11/27/24 10:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96694	11/27/24 19:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96810	11/27/24 19:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			96974	12/02/24 18:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	96875	12/02/24 14:08	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96878	12/02/24 18:48	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	96752	11/27/24 10:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96756	12/01/24 17:11	CH	EET MID

Client Sample ID: S-3 (3')
Date Collected: 11/25/24 00:00
Date Received: 11/27/24 10:30

Lab Sample ID: 880-51581-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	96753	11/27/24 14:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96692	11/27/24 18:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96810	11/27/24 18:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			96974	12/02/24 19:04	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	96875	12/02/24 14:08	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96878	12/02/24 19:04	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	96752	11/27/24 10:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96756	12/01/24 17:19	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
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	06-30-25
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: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
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: Wild Cap 3 (11.10.24)

Job ID: 880-51581-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-51581-1	S-1 (0-1')	Solid	11/25/24 00:00	11/27/24 10:30
880-51581-2	S-1 (1.5')	Solid	11/25/24 00:00	11/27/24 10:30
880-51581-3	S-1 (2')	Solid	11/25/24 00:00	11/27/24 10:30
880-51581-4	S-1 (3')	Solid	11/25/24 00:00	11/27/24 10:30
880-51581-5	S-2 (0-1')	Solid	11/25/24 00:00	11/27/24 10:30
880-51581-6	S-2 (1.5')	Solid	11/25/24 00:00	11/27/24 10:30
880-51581-7	S-2 (2')	Solid	11/25/24 00:00	11/27/24 10:30
880-51581-8	S-2 (3')	Solid	11/25/24 00:00	11/27/24 10:30
880-51581-9	S-3 (0-1')	Solid	11/25/24 00:00	11/27/24 10:30
880-51581-10	S-3 (1.5')	Solid	11/25/24 00:00	11/27/24 10:30
880-51581-11	S-3 (2')	Solid	11/25/24 00:00	11/27/24 10:30
880-51581-12	S-3 (3')	Solid	11/25/24 00:00	11/27/24 10:30

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Chain of Custody



880-51581 Chain of Custody

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:	jmcamrona@camronaresources.com

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

Project Name:		Wild Cap 3 (11.10.24)		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number:		2587		☐ Routine	☒ Rush														None: NO	DI Water: H ₂ O
Project Location		Eddy County, New Mexico		Due Date:		72 HR													Cool: Cool	MeOH: Me
Sample's Name:		IR																	HCL: HC	HNO ₃ : HN
PO #:																			H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT		Temp Blank:		Yes ☒ No ☐	Thermometer ID:														H ₃ PO ₄ : HP	
Received Intact:		Yes ☒ No ☐		Correction Factor:															NaHSO ₄ : NABIS	
Cooler Custody Seals:		Yes ☐ No ☒ N/A ☒		Temperature Reading:															Na ₂ S ₂ O ₃ : NASO ₃	
Sample Custody Seals:		Yes ☐ No ☒ N/A ☒		Corrected Temperature:															Zn Acetate+NaOH: Zn	
Total Containers:																			NaOH+Acetic Acid: SAPC	
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments
S-1 (0-1')		11/25/2024		X		G	1	X	X	X										
S-1 (1.5')		11/25/2024		X		G	1	X	X	X										
S-1 (2')		11/25/2024		X		G	1	X	X	X										
S-1 (3')		11/25/2024		X		G	1	X	X	X										
S-2 (0-1')		11/25/2024		X		G	1	X	X	X										
S-2 (1.5')		11/25/2024		X		G	1	X	X	X										
S-2 (2')		11/25/2024		X		G	1	X	X	X										
S-2 (3')		11/25/2024		X		G	1	X	X	X										
S-2 (4')		11/25/2024		X		G	1	X	X	X										
S-3 (0-1')		11/25/2024		X		G	1	X	X	X										

Comments: Email to Mike Camrona / jmcamrona@camronaresources.com and Conner Moehring / jmoehring@camronaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	11/27/24		11/27 10:30

Work Order No.:

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Page 2 of 2

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

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

[illegible]

Comments: Email to Mike Carmona / Mccarmona@cammonaresources.com and Conner Moehring / Cmoehring@cammonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	11/27/24		11/27 1030

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-51581-1

SDG Number: Eddy County, New Mexico

Login Number: 51581

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 12/3/2024 2:58:43 PM

JOB DESCRIPTION

Wild Cap 3 (11.10.24)
Eddy County, New Mexico

JOB NUMBER

880-51578-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
12/3/2024 2:58:43 PM

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

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Laboratory Job ID: 880-51578-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51578-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Wild Cap 3 (11.10.24)

Job ID: 880-51578-1

Job ID: 880-51578-1

Eurofins Midland

Job Narrative 880-51578-1

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

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

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

Receipt

The sample was received on 11/27/2024 10:30 AM. 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 -5.1°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: S-2 (5') (880-51578-1).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-2 (5') (880-51578-1) and (880-51577-A-1-E). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015MOD_NM: The closing continuing calibration verification (CCVC) associated with batch 880-96765 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-96752 and analytical batch 880-96756. The associated laboratory control sample (LCS) met acceptance criteria.

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51578-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (5')

Lab Sample ID: 880-51578-1

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/27/24 11:00	11/27/24 15:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/27/24 11:00	11/27/24 15:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/27/24 11:00	11/27/24 15:30	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/27/24 11:00	11/27/24 15:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/27/24 11:00	11/27/24 15:30	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/27/24 11:00	11/27/24 15:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130	11/27/24 11:00	11/27/24 15:30	1
1,4-Difluorobenzene (Surr)	84		70 - 130	11/27/24 11:00	11/27/24 15:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/27/24 15:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/27/24 15:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/27/24 10:58	11/27/24 15:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/27/24 10:58	11/27/24 15:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/27/24 10:58	11/27/24 15:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	11/27/24 10:58	11/27/24 15:35	1
o-Terphenyl	79		70 - 130	11/27/24 10:58	11/27/24 15:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10700		100		mg/Kg			12/01/24 13:55	10

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51578-1
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)
880-51577-A-1-C MS	Matrix Spike	110	84
880-51577-A-1-D MSD	Matrix Spike Duplicate	127	89
880-51578-1	S-2 (5')	145 S1+	84
LCS 880-96753/1-A	Lab Control Sample	129	79
LCSD 880-96753/2-A	Lab Control Sample Dup	117	86
MB 880-96753/5-A	Method Blank	104	81
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)
880-51576-A-1-D MS	Matrix Spike	98	86
880-51576-A-1-E MSD	Matrix Spike Duplicate	99	84
880-51578-1	S-2 (5')	102	79
LCS 880-96751/2-A	Lab Control Sample	93	83
LCSD 880-96751/3-A	Lab Control Sample Dup	91	81
MB 880-96751/1-A	Method Blank	87	72
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51578-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-96753/5-A

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96753

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 14:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 14:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 14:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/27/24 11:00	11/27/24 14:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 14:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/27/24 11:00	11/27/24 14:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	11/27/24 11:00	11/27/24 14:37	1
1,4-Difluorobenzene (Surr)	81		70 - 130	11/27/24 11:00	11/27/24 14:37	1

Lab Sample ID: LCS 880-96753/1-A

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96753

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1246		mg/Kg		125	70 - 130
Toluene	0.100	0.1190		mg/Kg		119	70 - 130
Ethylbenzene	0.100	0.1233		mg/Kg		123	70 - 130
m-Xylene & p-Xylene	0.200	0.2462		mg/Kg		123	70 - 130
o-Xylene	0.100	0.1216		mg/Kg		122	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	79		70 - 130

Lab Sample ID: LCSD 880-96753/2-A

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96753

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1053		mg/Kg		105	70 - 130	17	35
Toluene	0.100	0.1006		mg/Kg		101	70 - 130	17	35
Ethylbenzene	0.100	0.1022		mg/Kg		102	70 - 130	19	35
m-Xylene & p-Xylene	0.200	0.2047		mg/Kg		102	70 - 130	18	35
o-Xylene	0.100	0.1026		mg/Kg		103	70 - 130	17	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: 880-51577-A-1-C MS

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96753

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08623		mg/Kg		86	70 - 130
Toluene	<0.00200	U	0.100	0.08106		mg/Kg		81	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51578-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-51577-A-1-C MS

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96753

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08416		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1645		mg/Kg		82	70 - 130
o-Xylene	<0.00200	U	0.100	0.08208		mg/Kg		82	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: 880-51577-A-1-D MSD

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 96753

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0994	0.09836		mg/Kg		99	70 - 130	13	35
Toluene	<0.00200	U	0.0994	0.09235		mg/Kg		93	70 - 130	13	35
Ethylbenzene	<0.00200	U	0.0994	0.09392		mg/Kg		94	70 - 130	11	35
m-Xylene & p-Xylene	<0.00399	U	0.199	0.1842		mg/Kg		93	70 - 130	11	35
o-Xylene	<0.00200	U	0.0994	0.09305		mg/Kg		94	70 - 130	13	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

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

Lab Sample ID: MB 880-96751/1-A

Matrix: Solid

Analysis Batch: 96765

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96751

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		11/27/24 10:58	11/27/24 10:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/27/24 10:58	11/27/24 10:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/27/24 10:58	11/27/24 10:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	11/27/24 10:58	11/27/24 10:23	1
o-Terphenyl	72		70 - 130	11/27/24 10:58	11/27/24 10:23	1

Lab Sample ID: LCS 880-96751/2-A

Matrix: Solid

Analysis Batch: 96765

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96751

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1037		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	839.5		mg/Kg		84	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51578-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-96751/2-A

Matrix: Solid

Analysis Batch: 96765

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96751

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	83		70 - 130

Lab Sample ID: LCSD 880-96751/3-A

Matrix: Solid

Analysis Batch: 96765

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96751

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1027		mg/Kg		103	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	810.7		mg/Kg		81	70 - 130	3	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: 880-51576-A-1-D MS

Matrix: Solid

Analysis Batch: 96765

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96751

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	997	860.9		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	708.0		mg/Kg		71	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	86		70 - 130

Lab Sample ID: 880-51576-A-1-E MSD

Matrix: Solid

Analysis Batch: 96765

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 96751

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	997	825.5		mg/Kg		83	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	694.9		mg/Kg		70	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	84		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51578-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-96752/1-A

Matrix: Solid

Analysis Batch: 96756

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/01/24 13:31	1

Lab Sample ID: LCS 880-96752/2-A

Matrix: Solid

Analysis Batch: 96756

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.4		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-96752/3-A

Matrix: Solid

Analysis Batch: 96756

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	243.1		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-51578-1 MS

Matrix: Solid

Analysis Batch: 96756

Client Sample ID: S-2 (5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10700		2510	11410	4	mg/Kg		28	90 - 110

Lab Sample ID: 880-51578-1 MSD

Matrix: Solid

Analysis Batch: 96756

Client Sample ID: S-2 (5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10700		2510	11420	4	mg/Kg		28	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51578-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 96692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51578-1	S-2 (5')	Total/NA	Solid	8021B	96753
MB 880-96753/5-A	Method Blank	Total/NA	Solid	8021B	96753
LCS 880-96753/1-A	Lab Control Sample	Total/NA	Solid	8021B	96753
LCSD 880-96753/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96753
880-51577-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	96753
880-51577-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	96753

Prep Batch: 96753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51578-1	S-2 (5')	Total/NA	Solid	5035	
MB 880-96753/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96753/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96753/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-51577-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-51577-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 96850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51578-1	S-2 (5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 96751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51578-1	S-2 (5')	Total/NA	Solid	8015NM Prep	
MB 880-96751/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-96751/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-96751/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-51576-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-51576-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 96765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51578-1	S-2 (5')	Total/NA	Solid	8015B NM	96751
MB 880-96751/1-A	Method Blank	Total/NA	Solid	8015B NM	96751
LCS 880-96751/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	96751
LCSD 880-96751/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	96751
880-51576-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	96751
880-51576-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	96751

Analysis Batch: 96971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51578-1	S-2 (5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 96752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51578-1	S-2 (5')	Soluble	Solid	DI Leach	
MB 880-96752/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-96752/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-96752/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51578-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 96752 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51578-1 MS	S-2 (5')	Soluble	Solid	DI Leach	
880-51578-1 MSD	S-2 (5')	Soluble	Solid	DI Leach	

Analysis Batch: 96756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51578-1	S-2 (5')	Soluble	Solid	300.0	96752
MB 880-96752/1-A	Method Blank	Soluble	Solid	300.0	96752
LCS 880-96752/2-A	Lab Control Sample	Soluble	Solid	300.0	96752
LCSD 880-96752/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	96752
880-51578-1 MS	S-2 (5')	Soluble	Solid	300.0	96752
880-51578-1 MSD	S-2 (5')	Soluble	Solid	300.0	96752

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51578-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (5')
Date Collected: 11/25/24 00:00
Date Received: 11/27/24 10:30

Lab Sample ID: 880-51578-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	96753	11/27/24 11:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96692	11/27/24 15:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96850	11/27/24 15:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			96971	11/27/24 15:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	96751	11/27/24 10:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96765	11/27/24 15:35	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	96752	11/27/24 10:59	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96756	12/01/24 13:55	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51578-1
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	06-30-25
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: Wild Cap 3 (11.10.24)

Job ID: 880-51578-1
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: Wild Cap 3 (11.10.24)

Job ID: 880-51578-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-51578-1	S-2 (5')	Solid	11/25/24 00:00	11/27/24 10:30

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

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

Work Order Comments:

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

[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
	11.27.24		11/27/2024

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-51578-1

SDG Number: Eddy County, New Mexico

Login Number: 51578

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 12/3/2024 11:14:00 AM

JOB DESCRIPTION

Wild Cap 3 (11.10.24)
Eddy County, New Mexico

JOB NUMBER

880-51577-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
12/3/2024 11:14:00 AM

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

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Laboratory Job ID: 880-51577-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51577-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Wild Cap 3 (11.10.24)

Job ID: 880-51577-1

Job ID: 880-51577-1

Eurofins Midland

Job Narrative 880-51577-1

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

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

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

Receipt

The sample was received on 11/27/2024 10:30 AM. 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 -5.1°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: S-2 (6') (880-51577-1).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-2 (6') (880-51577-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015MOD_NM: The closing continuing calibration verification (CCVC) associated with batch 880-96765 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

HPLC/IC

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51577-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (6')

Lab Sample ID: 880-51577-1

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 15:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 15:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 15:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/27/24 11:00	11/27/24 15:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 15:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/27/24 11:00	11/27/24 15:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130	11/27/24 11:00	11/27/24 15:03	1
1,4-Difluorobenzene (Surr)	87		70 - 130	11/27/24 11:00	11/27/24 15:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/27/24 15:03	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			11/27/24 15:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/27/24 10:58	11/27/24 15:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/27/24 10:58	11/27/24 15:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/27/24 10:58	11/27/24 15:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	11/27/24 10:58	11/27/24 15:19	1
o-Terphenyl	76		70 - 130	11/27/24 10:58	11/27/24 15:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7780		99.8		mg/Kg			11/27/24 18:42	10

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Surrogate Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51577-1
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)
880-51577-1	S-2 (6')	147 S1+	87
880-51577-1 MS	S-2 (6')	110	84
880-51577-1 MSD	S-2 (6')	127	89
LCS 880-96753/1-A	Lab Control Sample	129	79
LCSD 880-96753/2-A	Lab Control Sample Dup	117	86
MB 880-96753/5-A	Method Blank	104	81
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)
880-51576-A-1-D MS	Matrix Spike	98	86
880-51576-A-1-E MSD	Matrix Spike Duplicate	99	84
880-51577-1	S-2 (6')	97	76
LCS 880-96751/2-A	Lab Control Sample	93	83
LCSD 880-96751/3-A	Lab Control Sample Dup	91	81
MB 880-96751/1-A	Method Blank	87	72
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51577-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-96753/5-A

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96753

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 14:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 14:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 14:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/27/24 11:00	11/27/24 14:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 14:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/27/24 11:00	11/27/24 14:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	11/27/24 11:00	11/27/24 14:37	1
1,4-Difluorobenzene (Surr)	81		70 - 130	11/27/24 11:00	11/27/24 14:37	1

Lab Sample ID: LCS 880-96753/1-A

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96753

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1246		mg/Kg		125	70 - 130
Toluene	0.100	0.1190		mg/Kg		119	70 - 130
Ethylbenzene	0.100	0.1233		mg/Kg		123	70 - 130
m-Xylene & p-Xylene	0.200	0.2462		mg/Kg		123	70 - 130
o-Xylene	0.100	0.1216		mg/Kg		122	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	79		70 - 130

Lab Sample ID: LCSD 880-96753/2-A

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96753

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1053		mg/Kg		105	70 - 130	17	35
Toluene	0.100	0.1006		mg/Kg		101	70 - 130	17	35
Ethylbenzene	0.100	0.1022		mg/Kg		102	70 - 130	19	35
m-Xylene & p-Xylene	0.200	0.2047		mg/Kg		102	70 - 130	18	35
o-Xylene	0.100	0.1026		mg/Kg		103	70 - 130	17	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: 880-51577-1 MS

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: S-2 (6')

Prep Type: Total/NA

Prep Batch: 96753

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08623		mg/Kg		86	70 - 130
Toluene	<0.00200	U	0.100	0.08106		mg/Kg		81	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51577-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-51577-1 MS

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: S-2 (6')

Prep Type: Total/NA

Prep Batch: 96753

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08416		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1645		mg/Kg		82	70 - 130
o-Xylene	<0.00200	U	0.100	0.08208		mg/Kg		82	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: 880-51577-1 MSD

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: S-2 (6')

Prep Type: Total/NA

Prep Batch: 96753

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0994	0.09836		mg/Kg		99	70 - 130	13	35
Toluene	<0.00200	U	0.0994	0.09235		mg/Kg		93	70 - 130	13	35
Ethylbenzene	<0.00200	U	0.0994	0.09392		mg/Kg		94	70 - 130	11	35
m-Xylene & p-Xylene	<0.00399	U	0.199	0.1842		mg/Kg		93	70 - 130	11	35
o-Xylene	<0.00200	U	0.0994	0.09305		mg/Kg		94	70 - 130	13	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

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

Lab Sample ID: MB 880-96751/1-A

Matrix: Solid

Analysis Batch: 96765

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96751

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		11/27/24 10:58	11/27/24 10:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/27/24 10:58	11/27/24 10:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/27/24 10:58	11/27/24 10:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	11/27/24 10:58	11/27/24 10:23	1
o-Terphenyl	72		70 - 130	11/27/24 10:58	11/27/24 10:23	1

Lab Sample ID: LCS 880-96751/2-A

Matrix: Solid

Analysis Batch: 96765

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96751

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1037		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	839.5		mg/Kg		84	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51577-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-96751/2-A
Matrix: Solid
Analysis Batch: 96765

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 96751

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	83		70 - 130

Lab Sample ID: LCSD 880-96751/3-A
Matrix: Solid
Analysis Batch: 96765

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 96751

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1027		mg/Kg		103	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	810.7		mg/Kg		81	70 - 130	3	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: 880-51576-A-1-D MS
Matrix: Solid
Analysis Batch: 96765

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 96751

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	997	860.9		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	708.0		mg/Kg		71	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	86		70 - 130

Lab Sample ID: 880-51576-A-1-E MSD
Matrix: Solid
Analysis Batch: 96765

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 96751

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	997	825.5		mg/Kg		83	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	694.9		mg/Kg		70	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	84		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51577-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-96739/1-A Matrix: Solid Analysis Batch: 96750										Client Sample ID: Method Blank Prep Type: Soluble	
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analized	Dil Fac		
Chloride	<10.0	U	10.0		mg/Kg			11/27/24 15:23	1		

Lab Sample ID: LCS 880-96739/2-A Matrix: Solid Analysis Batch: 96750										Client Sample ID: Lab Control Sample Prep Type: Soluble	
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	262.7		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-96739/3-A Matrix: Solid Analysis Batch: 96750										Client Sample ID: Lab Control Sample Dup Prep Type: Soluble	
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	263.6		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 890-7422-A-2-D MS Matrix: Solid Analysis Batch: 96750										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	59.2		248	327.0		mg/Kg		108	90 - 110		

Lab Sample ID: 890-7422-A-2-E MSD Matrix: Solid Analysis Batch: 96750										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	59.2		248	327.7		mg/Kg		108	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51577-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 96692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51577-1	S-2 (6')	Total/NA	Solid	8021B	96753
MB 880-96753/5-A	Method Blank	Total/NA	Solid	8021B	96753
LCS 880-96753/1-A	Lab Control Sample	Total/NA	Solid	8021B	96753
LCSD 880-96753/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96753
880-51577-1 MS	S-2 (6')	Total/NA	Solid	8021B	96753
880-51577-1 MSD	S-2 (6')	Total/NA	Solid	8021B	96753

Prep Batch: 96753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51577-1	S-2 (6')	Total/NA	Solid	5035	
MB 880-96753/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96753/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96753/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-51577-1 MS	S-2 (6')	Total/NA	Solid	5035	
880-51577-1 MSD	S-2 (6')	Total/NA	Solid	5035	

Analysis Batch: 96849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51577-1	S-2 (6')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 96751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51577-1	S-2 (6')	Total/NA	Solid	8015NM Prep	
MB 880-96751/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-96751/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-96751/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-51576-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-51576-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 96765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51577-1	S-2 (6')	Total/NA	Solid	8015B NM	96751
MB 880-96751/1-A	Method Blank	Total/NA	Solid	8015B NM	96751
LCS 880-96751/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	96751
LCSD 880-96751/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	96751
880-51576-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	96751
880-51576-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	96751

Analysis Batch: 96970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51577-1	S-2 (6')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 96739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51577-1	S-2 (6')	Soluble	Solid	DI Leach	
MB 880-96739/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-96739/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-96739/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51577-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 96739 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7422-A-2-D MS	Matrix Spike	Soluble	Solid	DI Leach	
890-7422-A-2-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 96750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51577-1	S-2 (6')	Soluble	Solid	300.0	96739
MB 880-96739/1-A	Method Blank	Soluble	Solid	300.0	96739
LCS 880-96739/2-A	Lab Control Sample	Soluble	Solid	300.0	96739
LCSD 880-96739/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	96739
890-7422-A-2-D MS	Matrix Spike	Soluble	Solid	300.0	96739
890-7422-A-2-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	96739

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51577-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (6')
Date Collected: 11/25/24 00:00
Date Received: 11/27/24 10:30

Lab Sample ID: 880-51577-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	96753	11/27/24 11:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96692	11/27/24 15:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96849	11/27/24 15:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			96970	11/27/24 15:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96751	11/27/24 10:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96765	11/27/24 15:19	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	96739	11/27/24 10:30	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96750	11/27/24 18:42	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51577-1
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	06-30-25
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: Wild Cap 3 (11.10.24)

Job ID: 880-51577-1
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: Wild Cap 3 (11.10.24)

Job ID: 880-51577-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-51577-1	S-2 (6')	Solid	11/25/24 00:00	11/27/24 10:30

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

Chain of Custody

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

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



880-51577 Chain of Custody

Page 1 of 1[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
	11/27/24		11/27/24

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-51577-1

SDG Number: Eddy County, New Mexico

Login Number: 51577

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 12/3/2024 12:33:41 PM

JOB DESCRIPTION

Wild Cap 3 (11.10.24)
Eddy County, New Mexico

JOB NUMBER

880-51576-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



Generated
12/3/2024 12:33:41 PM

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

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Laboratory Job ID: 880-51576-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51576-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Wild Cap 3 (11.10.24)

Job ID: 880-51576-1

Job ID: 880-51576-1

Eurofins Midland

Job Narrative 880-51576-1

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

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

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

Receipt

The sample was received on 11/27/2024 10:30 AM. 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 -5.1°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: S-2 (7') (880-51576-1).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-96841 recovered above the upper control limit for o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-96841/20).

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

Diesel Range Organics

Method 8015MOD_NM: The closing continuing calibration verification (CCVC) associated with batch 880-96765 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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: Wild Cap 3 (11.10.24)

Job ID: 880-51576-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (7')

Lab Sample ID: 880-51576-1

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/27/24 10:58	11/27/24 19:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/27/24 10:58	11/27/24 19:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/27/24 10:58	11/27/24 19:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/27/24 10:58	11/27/24 19:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/27/24 10:58	11/27/24 19:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/27/24 10:58	11/27/24 19:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	11/27/24 10:58	11/27/24 19:32	1
1,4-Difluorobenzene (Surr)	99		70 - 130	11/27/24 10:58	11/27/24 19:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/27/24 19:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/27/24 14:30	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		11/27/24 10:58	11/27/24 14:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/27/24 10:58	11/27/24 14:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/27/24 10:58	11/27/24 14:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	11/27/24 10:58	11/27/24 14:30	1
o-Terphenyl	83		70 - 130	11/27/24 10:58	11/27/24 14:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6060		99.4		mg/Kg			11/27/24 18:35	10

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51576-1
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)
880-51576-1	S-2 (7')	104	99
890-7415-A-1-A MS	Matrix Spike	104	101
890-7415-A-1-B MSD	Matrix Spike Duplicate	101	101
890-7428-A-61-A MS	Matrix Spike	106	101
890-7428-A-61-B MSD	Matrix Spike Duplicate	107	98
LCS 880-96657/1-A	Lab Control Sample	103	102
LCS 880-96835/1-A	Lab Control Sample	107	99
LCSD 880-96657/2-A	Lab Control Sample Dup	104	102
LCSD 880-96835/2-A	Lab Control Sample Dup	105	100
MB 880-96657/5-A	Method Blank	95	93
MB 880-96835/5-A	Method Blank	97	95
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-51576-1	S-2 (7')	104	83
880-51576-1 MS	S-2 (7')	98	86
880-51576-1 MSD	S-2 (7')	99	84
LCS 880-96751/2-A	Lab Control Sample	93	83
LCSD 880-96751/3-A	Lab Control Sample Dup	91	81
MB 880-96751/1-A	Method Blank	87	72
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51576-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-96657/5-A

Matrix: Solid

Analysis Batch: 96693

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96657

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/26/24 13:58	11/27/24 11:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/26/24 13:58	11/27/24 11:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/26/24 13:58	11/27/24 11:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/26/24 13:58	11/27/24 11:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/26/24 13:58	11/27/24 11:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/26/24 13:58	11/27/24 11:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	11/26/24 13:58	11/27/24 11:27	1
1,4-Difluorobenzene (Surr)	93		70 - 130	11/26/24 13:58	11/27/24 11:27	1

Lab Sample ID: LCS 880-96657/1-A

Matrix: Solid

Analysis Batch: 96693

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96657

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1035		mg/Kg		104	70 - 130
Toluene	0.100	0.1049		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1129		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	0.200	0.2161		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1209		mg/Kg		121	70 - 130

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

Lab Sample ID: LCSD 880-96657/2-A

Matrix: Solid

Analysis Batch: 96693

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96657

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1070		mg/Kg		107	70 - 130	3	35
Toluene	0.100	0.1061		mg/Kg		106	70 - 130	1	35
Ethylbenzene	0.100	0.1137		mg/Kg		114	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2203		mg/Kg		110	70 - 130	2	35
o-Xylene	0.100	0.1226		mg/Kg		123	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-7415-A-1-A MS

Matrix: Solid

Analysis Batch: 96693

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96657

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09913		mg/Kg		99	70 - 130
Toluene	<0.00200	U	0.100	0.09456		mg/Kg		94	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51576-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-7415-A-1-A MS

Matrix: Solid

Analysis Batch: 96693

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96657

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09481		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1832		mg/Kg		91	70 - 130
o-Xylene	<0.00200	U	0.100	0.1005		mg/Kg		100	70 - 130
Surrogate	%Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	104		70 - 130						
1,4-Difluorobenzene (Surr)	101		70 - 130						

Lab Sample ID: 890-7415-A-1-B MSD

Matrix: Solid

Analysis Batch: 96693

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 96657

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0994	0.09726		mg/Kg		98	70 - 130	2	35
Toluene	<0.00200	U	0.0994	0.09281		mg/Kg		93	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.0994	0.09363		mg/Kg		94	70 - 130	1	35
m-Xylene & p-Xylene	<0.00399	U	0.199	0.1798		mg/Kg		90	70 - 130	2	35
o-Xylene	<0.00200	U	0.0994	0.09932		mg/Kg		100	70 - 130	1	35
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	101		70 - 130								
1,4-Difluorobenzene (Surr)	101		70 - 130								

Lab Sample ID: MB 880-96835/5-A

Matrix: Solid

Analysis Batch: 96841

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96835

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 12:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 12:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 12:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/02/24 08:36	12/02/24 12:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 12:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/02/24 08:36	12/02/24 12:08	1
Surrogate	%Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				12/02/24 08:36	12/02/24 12:08	1
1,4-Difluorobenzene (Surr)	95		70 - 130				12/02/24 08:36	12/02/24 12:08	1

Lab Sample ID: LCS 880-96835/1-A

Matrix: Solid

Analysis Batch: 96841

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96835

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1083		mg/Kg		108	70 - 130
Toluene	0.100	0.1066		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1158		mg/Kg		116	70 - 130
m-Xylene & p-Xylene	0.200	0.2290		mg/Kg		114	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51576-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-96835/1-A

Matrix: Solid

Analysis Batch: 96841

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96835

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1280		mg/Kg		128	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-96835/2-A

Matrix: Solid

Analysis Batch: 96841

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96835

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1103		mg/Kg		110	70 - 130	2	35
Toluene	0.100	0.1079		mg/Kg		108	70 - 130	1	35
Ethylbenzene	0.100	0.1154		mg/Kg		115	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2285		mg/Kg		114	70 - 130	0	35
o-Xylene	0.100	0.1275		mg/Kg		127	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-7428-A-61-A MS

Matrix: Solid

Analysis Batch: 96841

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96835

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.100	0.1089		mg/Kg		109	70 - 130
Toluene	<0.00199	U	0.100	0.1071		mg/Kg		107	70 - 130
Ethylbenzene	<0.00199	U	0.100	0.1136		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2271		mg/Kg		113	70 - 130
o-Xylene	<0.00199	U	0.100	0.1255		mg/Kg		125	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-7428-A-61-B MSD

Matrix: Solid

Analysis Batch: 96841

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 96835

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0994	0.1048		mg/Kg		105	70 - 130	4	35
Toluene	<0.00199	U	0.0994	0.1045		mg/Kg		105	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.0994	0.1113		mg/Kg		112	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2221		mg/Kg		112	70 - 130	2	35
o-Xylene	<0.00199	U	0.0994	0.1231		mg/Kg		124	70 - 130	2	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51576-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-7428-A-61-B MSD

Matrix: Solid

Analysis Batch: 96841

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 96835

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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

Lab Sample ID: MB 880-96751/1-A

Matrix: Solid

Analysis Batch: 96765

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96751

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/27/24 10:58	11/27/24 10:23	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/27/24 10:58	11/27/24 10:23	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/27/24 10:58	11/27/24 10:23	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	87		70 - 130				11/27/24 10:58	11/27/24 10:23	1	
o-Terphenyl	72		70 - 130				11/27/24 10:58	11/27/24 10:23	1	

Lab Sample ID: LCS 880-96751/2-A

Matrix: Solid

Analysis Batch: 96765

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96751

Analyte	Spike	LCS	LCS							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1037		mg/Kg		104		70 - 130		
Diesel Range Organics (Over C10-C28)	1000	839.5		mg/Kg		84		70 - 130		
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	93		70 - 130							
o-Terphenyl	83		70 - 130							

Lab Sample ID: LCSD 880-96751/3-A

Matrix: Solid

Analysis Batch: 96765

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96751

Analyte	Spike	LCSD	LCSD							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1027		mg/Kg		103		70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	810.7		mg/Kg		81		70 - 130	3	20
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	91		70 - 130							
o-Terphenyl	81		70 - 130							

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51576-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-51576-1 MS

Matrix: Solid

Analysis Batch: 96765

Client Sample ID: S-2 (7')

Prep Type: Total/NA

Prep Batch: 96751

	Sample	Sample	Spike	MS	MS			%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	860.9		mg/Kg	-	86	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	997	708.0		mg/Kg		71	70 - 130	
Surrogate	MS %Recovery	MS Qualifier	Limits							
1-Chlorooctane	98		70 - 130							
o-Terphenyl	86		70 - 130							

Lab Sample ID: 880-51576-1 MSD

Matrix: Solid

Analysis Batch: 96765

Client Sample ID: S-2 (7')

Prep Type: Total/NA

Prep Batch: 96751

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	825.5		mg/Kg		83	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	694.9		mg/Kg		70	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	99		70 - 130								
o-Terphenyl	84		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-96739/1-A

Matrix: Solid

Analysis Batch: 96750

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<10.0	U	10.0		mg/Kg			11/27/24 15:23	1

Lab Sample ID: LCS 880-96739/2-A

Matrix: Solid

Analysis Batch: 96750

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Chloride	250	262.7		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-96739/3-A

Matrix: Solid

Analysis Batch: 96750

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec	RPD	RPD
							Limits		Limits
Chloride	250	263.6		mg/Kg		105	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51576-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-7422-A-2-D MS										Client Sample ID: Matrix Spike			
Matrix: Solid										Prep Type: Soluble			
Analysis Batch: 96750													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	59.2		248	327.0		mg/Kg		108	90 - 110				

Lab Sample ID: 890-7422-A-2-E MSD										Client Sample ID: Matrix Spike Duplicate			
Matrix: Solid										Prep Type: Soluble			
Analysis Batch: 96750													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	59.2		248	327.7		mg/Kg		108	90 - 110	0	20		

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51576-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 96657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51576-1	S-2 (7')	Total/NA	Solid	5035	
MB 880-96657/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96657/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96657/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7415-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-7415-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 96693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51576-1	S-2 (7')	Total/NA	Solid	8021B	96657
MB 880-96657/5-A	Method Blank	Total/NA	Solid	8021B	96657
LCS 880-96657/1-A	Lab Control Sample	Total/NA	Solid	8021B	96657
LCSD 880-96657/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96657
890-7415-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	96657
890-7415-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	96657

Prep Batch: 96835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-96835/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96835/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96835/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7428-A-61-A MS	Matrix Spike	Total/NA	Solid	5035	
890-7428-A-61-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 96841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-96835/5-A	Method Blank	Total/NA	Solid	8021B	96835
LCS 880-96835/1-A	Lab Control Sample	Total/NA	Solid	8021B	96835
LCSD 880-96835/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96835
890-7428-A-61-A MS	Matrix Spike	Total/NA	Solid	8021B	96835
890-7428-A-61-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	96835

Analysis Batch: 96979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51576-1	S-2 (7')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 96751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51576-1	S-2 (7')	Total/NA	Solid	8015NM Prep	
MB 880-96751/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-96751/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-96751/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-51576-1 MS	S-2 (7')	Total/NA	Solid	8015NM Prep	
880-51576-1 MSD	S-2 (7')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 96765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51576-1	S-2 (7')	Total/NA	Solid	8015B NM	96751
MB 880-96751/1-A	Method Blank	Total/NA	Solid	8015B NM	96751

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QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51576-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 96765 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-96751/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	96751
LCSD 880-96751/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	96751
880-51576-1 MS	S-2 (7')	Total/NA	Solid	8015B NM	96751
880-51576-1 MSD	S-2 (7')	Total/NA	Solid	8015B NM	96751

Analysis Batch: 96969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51576-1	S-2 (7')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 96739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51576-1	S-2 (7')	Soluble	Solid	DI Leach	
MB 880-96739/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-96739/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-96739/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7422-A-2-D MS	Matrix Spike	Soluble	Solid	DI Leach	
890-7422-A-2-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 96750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51576-1	S-2 (7')	Soluble	Solid	300.0	96739
MB 880-96739/1-A	Method Blank	Soluble	Solid	300.0	96739
LCS 880-96739/2-A	Lab Control Sample	Soluble	Solid	300.0	96739
LCSD 880-96739/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	96739
890-7422-A-2-D MS	Matrix Spike	Soluble	Solid	300.0	96739
890-7422-A-2-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	96739

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51576-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (7')
Date Collected: 11/25/24 00:00
Date Received: 11/27/24 10:30

Lab Sample ID: 880-51576-1
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			5.02 g	5 mL	96657	11/27/24 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96693	11/27/24 19:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96979	11/27/24 19:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			96969	11/27/24 14:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96751	11/27/24 10:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96765	11/27/24 14:30	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	96739	11/27/24 10:30	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96750	11/27/24 18:35	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51576-1
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	06-30-25
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: Wild Cap 3 (11.10.24)

Job ID: 880-51576-1
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: Wild Cap 3 (11.10.24)

Job ID: 880-51576-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-51576-1	S-2 (7")	Solid	11/25/24 00:00	11/27/24 10:30

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

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

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

[illegible]

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

[illegible]

880-51576 Chain of Custody

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-51576-1

SDG Number: Eddy County, New Mexico

Login Number: 51576

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

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JOB DESCRIPTION

Wild Cap 3 (11.10.24)
Eddy County, New Mexico

JOB NUMBER

880-51579-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



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

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Laboratory Job ID: 880-51579-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51579-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Wild Cap 3 (11.10.24)

Job ID: 880-51579-1

Job ID: 880-51579-1

Eurofins Midland

Job Narrative
880-51579-1

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

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

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

Receipt

The sample was received on 11/27/2024 10:30 AM. 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 -5.1°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: S-2 (8') (880-51579-1).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-2 (8') (880-51579-1) and (880-51577-A-1-E). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015MOD_NM: The closing continuing calibration verification (CCVC) associated with batch 880-96765 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-96752 and analytical batch 880-96756. The associated laboratory control sample (LCS) met acceptance criteria.

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51579-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (8')

Lab Sample ID: 880-51579-1

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 15:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 15:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 15:56	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/27/24 11:00	11/27/24 15:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 15:56	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/27/24 11:00	11/27/24 15:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130	11/27/24 11:00	11/27/24 15:56	1
1,4-Difluorobenzene (Surr)	84		70 - 130	11/27/24 11:00	11/27/24 15:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/27/24 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/27/24 15:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/27/24 10:58	11/27/24 15:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/27/24 10:58	11/27/24 15:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/27/24 10:58	11/27/24 15:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	11/27/24 10:58	11/27/24 15:53	1
o-Terphenyl	79		70 - 130	11/27/24 10:58	11/27/24 15:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6130		101		mg/Kg			12/01/24 14:20	10

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51579-1
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)
880-51577-A-1-C MS	Matrix Spike	110	84
880-51577-A-1-D MSD	Matrix Spike Duplicate	127	89
880-51579-1	S-2 (8')	141 S1+	84
LCS 880-96753/1-A	Lab Control Sample	129	79
LCSD 880-96753/2-A	Lab Control Sample Dup	117	86
MB 880-96753/5-A	Method Blank	104	81
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)
880-51576-A-1-D MS	Matrix Spike	98	86
880-51576-A-1-E MSD	Matrix Spike Duplicate	99	84
880-51579-1	S-2 (8')	101	79
LCS 880-96751/2-A	Lab Control Sample	93	83
LCSD 880-96751/3-A	Lab Control Sample Dup	91	81
MB 880-96751/1-A	Method Blank	87	72
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51579-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-96753/5-A

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96753

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 14:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 14:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 14:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/27/24 11:00	11/27/24 14:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 14:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/27/24 11:00	11/27/24 14:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	11/27/24 11:00	11/27/24 14:37	1
1,4-Difluorobenzene (Surr)	81		70 - 130	11/27/24 11:00	11/27/24 14:37	1

Lab Sample ID: LCS 880-96753/1-A

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96753

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1246		mg/Kg		125	70 - 130
Toluene	0.100	0.1190		mg/Kg		119	70 - 130
Ethylbenzene	0.100	0.1233		mg/Kg		123	70 - 130
m-Xylene & p-Xylene	0.200	0.2462		mg/Kg		123	70 - 130
o-Xylene	0.100	0.1216		mg/Kg		122	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	79		70 - 130

Lab Sample ID: LCSD 880-96753/2-A

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96753

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1053		mg/Kg		105	70 - 130	17	35
Toluene	0.100	0.1006		mg/Kg		101	70 - 130	17	35
Ethylbenzene	0.100	0.1022		mg/Kg		102	70 - 130	19	35
m-Xylene & p-Xylene	0.200	0.2047		mg/Kg		102	70 - 130	18	35
o-Xylene	0.100	0.1026		mg/Kg		103	70 - 130	17	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: 880-51577-A-1-C MS

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96753

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08623		mg/Kg		86	70 - 130
Toluene	<0.00200	U	0.100	0.08106		mg/Kg		81	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51579-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-51577-A-1-C MS

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96753

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08416		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1645		mg/Kg		82	70 - 130
o-Xylene	<0.00200	U	0.100	0.08208		mg/Kg		82	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	110		70 - 130						
1,4-Difluorobenzene (Surr)	84		70 - 130						

Lab Sample ID: 880-51577-A-1-D MSD

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 96753

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0994	0.09836		mg/Kg		99	70 - 130	13	35
Toluene	<0.00200	U	0.0994	0.09235		mg/Kg		93	70 - 130	13	35
Ethylbenzene	<0.00200	U	0.0994	0.09392		mg/Kg		94	70 - 130	11	35
m-Xylene & p-Xylene	<0.00399	U	0.199	0.1842		mg/Kg		93	70 - 130	11	35
o-Xylene	<0.00200	U	0.0994	0.09305		mg/Kg		94	70 - 130	13	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	127		70 - 130								
1,4-Difluorobenzene (Surr)	89		70 - 130								

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

Lab Sample ID: MB 880-96751/1-A

Matrix: Solid

Analysis Batch: 96765

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96751

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		11/27/24 10:58	11/27/24 10:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/27/24 10:58	11/27/24 10:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/27/24 10:58	11/27/24 10:23	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				11/27/24 10:58	11/27/24 10:23	1
o-Terphenyl	72		70 - 130				11/27/24 10:58	11/27/24 10:23	1

Lab Sample ID: LCS 880-96751/2-A

Matrix: Solid

Analysis Batch: 96765

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96751

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1037		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	839.5		mg/Kg		84	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51579-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-96751/2-A
Matrix: Solid
Analysis Batch: 96765

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 96751

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	83		70 - 130

Lab Sample ID: LCSD 880-96751/3-A
Matrix: Solid
Analysis Batch: 96765

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 96751

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1027		mg/Kg		103	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	810.7		mg/Kg		81	70 - 130	3	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: 880-51576-A-1-D MS
Matrix: Solid
Analysis Batch: 96765

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 96751

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	<50.0	U	997	860.9		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	997	708.0		mg/Kg		71	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	86		70 - 130

Lab Sample ID: 880-51576-A-1-E MSD
Matrix: Solid
Analysis Batch: 96765

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 96751

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	997	825.5		mg/Kg		83	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	694.9		mg/Kg		70	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	84		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51579-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-96752/1-A

Matrix: Solid

Analysis Batch: 96756

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/01/24 13:31	1

Lab Sample ID: LCS 880-96752/2-A

Matrix: Solid

Analysis Batch: 96756

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.4		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-96752/3-A

Matrix: Solid

Analysis Batch: 96756

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	243.1		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-51578-A-1-C MS

Matrix: Solid

Analysis Batch: 96756

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	10700		2510	11410	4	mg/Kg		28	90 - 110

Lab Sample ID: 880-51578-A-1-D MSD

Matrix: Solid

Analysis Batch: 96756

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	10700		2510	11420	4	mg/Kg		28	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51579-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 96692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51579-1	S-2 (8')	Total/NA	Solid	8021B	96753
MB 880-96753/5-A	Method Blank	Total/NA	Solid	8021B	96753
LCS 880-96753/1-A	Lab Control Sample	Total/NA	Solid	8021B	96753
LCSD 880-96753/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96753
880-51577-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	96753
880-51577-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	96753

Prep Batch: 96753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51579-1	S-2 (8')	Total/NA	Solid	5035	
MB 880-96753/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96753/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96753/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-51577-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-51577-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 96851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51579-1	S-2 (8')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 96751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51579-1	S-2 (8')	Total/NA	Solid	8015NM Prep	
MB 880-96751/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-96751/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-96751/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-51576-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-51576-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 96765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51579-1	S-2 (8')	Total/NA	Solid	8015B NM	96751
MB 880-96751/1-A	Method Blank	Total/NA	Solid	8015B NM	96751
LCS 880-96751/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	96751
LCSD 880-96751/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	96751
880-51576-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	96751
880-51576-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	96751

Analysis Batch: 96972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51579-1	S-2 (8')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 96752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51579-1	S-2 (8')	Soluble	Solid	DI Leach	
MB 880-96752/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-96752/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-96752/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51579-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 96752 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51578-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-51578-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 96756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51579-1	S-2 (8')	Soluble	Solid	300.0	96752
MB 880-96752/1-A	Method Blank	Soluble	Solid	300.0	96752
LCS 880-96752/2-A	Lab Control Sample	Soluble	Solid	300.0	96752
LCSD 880-96752/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	96752
880-51578-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	96752
880-51578-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	96752

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51579-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (8')
Date Collected: 11/25/24 00:00
Date Received: 11/27/24 10:30

Lab Sample ID: 880-51579-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	96753	11/27/24 11:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96692	11/27/24 15:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96851	11/27/24 15:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			96972	11/27/24 15:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	96751	11/27/24 10:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96765	11/27/24 15:53	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	96752	11/27/24 10:59	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96756	12/01/24 14:20	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51579-1
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	06-30-25
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: Wild Cap 3 (11.10.24)

Job ID: 880-51579-1
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: Wild Cap 3 (11.10.24)

Job ID: 880-51579-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-51579-1	S-2 (8')	Solid	11/25/24 00:00	11/27/24 10:30

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Chain of Custody

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

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

Project Name:				Wild Cap 3 (11.10.24)		Turn Around		ANALYSIS REQUEST													Preservative Codes													
Project Number:		2587		☐ Routine ☒ Rush															None: NO															
Project Location		Eddy County, New Mexico		Due Date:		72 HR															DI Water: H ₂ O													
Sampler's Name:		IR																	Cool: Cool															
PO #:																			HCL: HC															
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No															H ₂ SO ₄ : h ₂											
Received Intact:		Yes No		Thermometer ID:																			H ₃ PO ₄ : HP											
Cooler Custody Seals:		Yes No		Correction Factor:																			NaHSO ₄ : NABIS											
Sample Custody Seals:		Yes No		Temperature Reading:																			Na ₂ S ₂ O ₅ : NaSO ₃											
Total Containers:				Corrected Temperature:																			Zn Acetate+NaOH: Zn											
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont															NaOH+Ascorbic Acid: SAPC							
S-2 (8)		11/25/2024				X				G		1		X		X		X																

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	12/27/24		12/27/2024



880-51579 Chain of Custody

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-51579-1

SDG Number: Eddy County, New Mexico

Login Number: 51579

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 12/3/2024 2:59:20 PM

JOB DESCRIPTION

Wild Cap 3 (11.10.24)
Eddy County, New Mexico

JOB NUMBER

880-51580-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



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12/3/2024 2:59:20 PM

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

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Laboratory Job ID: 880-51580-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51580-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Wild Cap 3 (11.10.24)

Job ID: 880-51580-1

Job ID: 880-51580-1

Eurofins Midland

Job Narrative 880-51580-1

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 11/27/2024 10:30 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 -5.1°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-51580-1), H-2 (0-0.5') (880-51580-2), H-3 (0-0.5') (880-51580-3) and H-4 (0-0.5') (880-51580-4).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-1 (0-0.5') (880-51580-1), H-3 (0-0.5') (880-51580-3) and (880-51577-A-1-E). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015MOD_NM: The closing continuing calibration verification (CCVC) associated with batch 880-96765 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-96752 and analytical batch 880-96756 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51580-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-51580-1

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 16:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 16:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 16:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/27/24 11:00	11/27/24 16:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 16:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/27/24 11:00	11/27/24 16:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130	11/27/24 11:00	11/27/24 16:23	1
1,4-Difluorobenzene (Surr)	86		70 - 130	11/27/24 11:00	11/27/24 16:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/27/24 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/27/24 16:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/27/24 10:58	11/27/24 16:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/27/24 10:58	11/27/24 16:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/27/24 10:58	11/27/24 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	11/27/24 10:58	11/27/24 16:09	1
o-Terphenyl	73		70 - 130	11/27/24 10:58	11/27/24 16:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.9		9.96		mg/Kg			12/01/24 14:28	1

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

Lab Sample ID: 880-51580-2

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/27/24 11:00	11/27/24 16:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/27/24 11:00	11/27/24 16:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/27/24 11:00	11/27/24 16:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/27/24 11:00	11/27/24 16:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/27/24 11:00	11/27/24 16:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/27/24 11:00	11/27/24 16:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	11/27/24 11:00	11/27/24 16:49	1
1,4-Difluorobenzene (Surr)	82		70 - 130	11/27/24 11:00	11/27/24 16:49	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51580-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-51580-2

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/27/24 16:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/27/24 16:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/27/24 10:58	11/27/24 16:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/27/24 10:58	11/27/24 16:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/27/24 10:58	11/27/24 16:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				11/27/24 10:58	11/27/24 16:25	1
o-Terphenyl	71		70 - 130				11/27/24 10:58	11/27/24 16:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.7		9.92		mg/Kg			12/01/24 14:36	1

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

Lab Sample ID: 880-51580-3

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/27/24 11:00	11/27/24 17:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/27/24 11:00	11/27/24 17:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/27/24 11:00	11/27/24 17:16	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/27/24 11:00	11/27/24 17:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/27/24 11:00	11/27/24 17:16	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/27/24 11:00	11/27/24 17:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130				11/27/24 11:00	11/27/24 17:16	1
1,4-Difluorobenzene (Surr)	86		70 - 130				11/27/24 11:00	11/27/24 17:16	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			11/27/24 17:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/27/24 16:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/27/24 10:58	11/27/24 16:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/27/24 10:58	11/27/24 16:41	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51580-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-51580-3

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/27/24 10:58	11/27/24 16:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				11/27/24 10:58	11/27/24 16:41	1
o-Terphenyl	75		70 - 130				11/27/24 10:58	11/27/24 16:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.0		10.1		mg/Kg			12/01/24 14:44	1

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

Lab Sample ID: 880-51580-4

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/27/24 11:00	11/27/24 17:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/27/24 11:00	11/27/24 17:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/27/24 11:00	11/27/24 17:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/27/24 11:00	11/27/24 17:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/27/24 11:00	11/27/24 17:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/27/24 11:00	11/27/24 17:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				11/27/24 11:00	11/27/24 17:42	1
1,4-Difluorobenzene (Surr)	77		70 - 130				11/27/24 11:00	11/27/24 17:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/27/24 17:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/27/24 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/27/24 10:58	11/27/24 16:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/27/24 10:58	11/27/24 16:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/27/24 10:58	11/27/24 16:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				11/27/24 10:58	11/27/24 16:57	1
o-Terphenyl	74		70 - 130				11/27/24 10:58	11/27/24 16:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.3		9.98		mg/Kg			12/01/24 15:08	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51580-1
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)
880-51577-A-1-C MS	Matrix Spike	110	84
880-51577-A-1-D MSD	Matrix Spike Duplicate	127	89
880-51580-1	H-1 (0-0.5')	150 S1+	86
880-51580-2	H-2 (0-0.5')	124	82
880-51580-3	H-3 (0-0.5')	148 S1+	86
880-51580-4	H-4 (0-0.5')	129	77
LCS 880-96753/1-A	Lab Control Sample	129	79
LCSD 880-96753/2-A	Lab Control Sample Dup	117	86
MB 880-96753/5-A	Method Blank	104	81
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)
880-51576-A-1-D MS	Matrix Spike	98	86
880-51576-A-1-E MSD	Matrix Spike Duplicate	99	84
880-51580-1	H-1 (0-0.5')	95	73
880-51580-2	H-2 (0-0.5')	93	71
880-51580-3	H-3 (0-0.5')	97	75
880-51580-4	H-4 (0-0.5')	97	74
LCS 880-96751/2-A	Lab Control Sample	93	83
LCSD 880-96751/3-A	Lab Control Sample Dup	91	81
MB 880-96751/1-A	Method Blank	87	72
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51580-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-96753/5-A

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96753

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 14:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 14:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 14:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/27/24 11:00	11/27/24 14:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/27/24 11:00	11/27/24 14:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/27/24 11:00	11/27/24 14:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	11/27/24 11:00	11/27/24 14:37	1
1,4-Difluorobenzene (Surr)	81		70 - 130	11/27/24 11:00	11/27/24 14:37	1

Lab Sample ID: LCS 880-96753/1-A

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96753

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1246		mg/Kg		125	70 - 130
Toluene	0.100	0.1190		mg/Kg		119	70 - 130
Ethylbenzene	0.100	0.1233		mg/Kg		123	70 - 130
m-Xylene & p-Xylene	0.200	0.2462		mg/Kg		123	70 - 130
o-Xylene	0.100	0.1216		mg/Kg		122	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	79		70 - 130

Lab Sample ID: LCSD 880-96753/2-A

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96753

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1053		mg/Kg		105	70 - 130	17	35
Toluene	0.100	0.1006		mg/Kg		101	70 - 130	17	35
Ethylbenzene	0.100	0.1022		mg/Kg		102	70 - 130	19	35
m-Xylene & p-Xylene	0.200	0.2047		mg/Kg		102	70 - 130	18	35
o-Xylene	0.100	0.1026		mg/Kg		103	70 - 130	17	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: 880-51577-A-1-C MS

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96753

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08623		mg/Kg		86	70 - 130
Toluene	<0.00200	U	0.100	0.08106		mg/Kg		81	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51580-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-51577-A-1-C MS

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96753

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08416		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1645		mg/Kg		82	70 - 130
o-Xylene	<0.00200	U	0.100	0.08208		mg/Kg		82	70 - 130
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	110		70 - 130						
1,4-Difluorobenzene (Surr)	84		70 - 130						

Lab Sample ID: 880-51577-A-1-D MSD

Matrix: Solid

Analysis Batch: 96692

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 96753

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0994	0.09836		mg/Kg		99	70 - 130	13	35
Toluene	<0.00200	U	0.0994	0.09235		mg/Kg		93	70 - 130	13	35
Ethylbenzene	<0.00200	U	0.0994	0.09392		mg/Kg		94	70 - 130	11	35
m-Xylene & p-Xylene	<0.00399	U	0.199	0.1842		mg/Kg		93	70 - 130	11	35
o-Xylene	<0.00200	U	0.0994	0.09305		mg/Kg		94	70 - 130	13	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	127		70 - 130								
1,4-Difluorobenzene (Surr)	89		70 - 130								

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

Lab Sample ID: MB 880-96751/1-A

Matrix: Solid

Analysis Batch: 96765

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96751

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		11/27/24 10:58	11/27/24 10:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/27/24 10:58	11/27/24 10:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/27/24 10:58	11/27/24 10:23	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				11/27/24 10:58	11/27/24 10:23	1
o-Terphenyl	72		70 - 130				11/27/24 10:58	11/27/24 10:23	1

Lab Sample ID: LCS 880-96751/2-A

Matrix: Solid

Analysis Batch: 96765

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96751

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1037		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	839.5		mg/Kg		84	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51580-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-96751/2-A
Matrix: Solid
Analysis Batch: 96765

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 96751

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	83		70 - 130

Lab Sample ID: LCSD 880-96751/3-A
Matrix: Solid
Analysis Batch: 96765

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 96751

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1027		mg/Kg		103	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	810.7		mg/Kg		81	70 - 130	3	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: 880-51576-A-1-D MS
Matrix: Solid
Analysis Batch: 96765

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 96751

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	997	860.9		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	708.0		mg/Kg		71	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	86		70 - 130

Lab Sample ID: 880-51576-A-1-E MSD
Matrix: Solid
Analysis Batch: 96765

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 96751

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	997	825.5		mg/Kg		83	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	694.9		mg/Kg		70	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	84		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51580-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-96752/1-A

Matrix: Solid

Analysis Batch: 96756

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/01/24 13:31	1

Lab Sample ID: LCS 880-96752/2-A

Matrix: Solid

Analysis Batch: 96756

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.4		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-96752/3-A

Matrix: Solid

Analysis Batch: 96756

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	243.1		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-51581-A-5-D MS

Matrix: Solid

Analysis Batch: 96756

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	433	F1	251	779.2	F1	mg/Kg		138	90 - 110

Lab Sample ID: 880-51581-A-5-E MSD

Matrix: Solid

Analysis Batch: 96756

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	433	F1	251	780.4	F1	mg/Kg		138	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51580-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 96692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51580-1	H-1 (0-0.5')	Total/NA	Solid	8021B	96753
880-51580-2	H-2 (0-0.5')	Total/NA	Solid	8021B	96753
880-51580-3	H-3 (0-0.5')	Total/NA	Solid	8021B	96753
880-51580-4	H-4 (0-0.5')	Total/NA	Solid	8021B	96753
MB 880-96753/5-A	Method Blank	Total/NA	Solid	8021B	96753
LCS 880-96753/1-A	Lab Control Sample	Total/NA	Solid	8021B	96753
LCSD 880-96753/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96753
880-51577-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	96753
880-51577-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	96753

Prep Batch: 96753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51580-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-51580-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-51580-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-51580-4	H-4 (0-0.5')	Total/NA	Solid	5035	
MB 880-96753/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96753/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96753/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-51577-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-51577-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 96852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51580-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-51580-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-51580-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-51580-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 96751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51580-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-51580-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-51580-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-51580-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-96751/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-96751/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-96751/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-51576-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-51576-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 96765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51580-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	96751
880-51580-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	96751
880-51580-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	96751
880-51580-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	96751
MB 880-96751/1-A	Method Blank	Total/NA	Solid	8015B NM	96751
LCS 880-96751/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	96751

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QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51580-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 96765 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-96751/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	96751
880-51576-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	96751
880-51576-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	96751

Analysis Batch: 96973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51580-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-51580-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-51580-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-51580-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 96752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51580-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-51580-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-51580-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-51580-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-96752/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-96752/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-96752/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-51581-A-5-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-51581-A-5-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 96756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51580-1	H-1 (0-0.5')	Soluble	Solid	300.0	96752
880-51580-2	H-2 (0-0.5')	Soluble	Solid	300.0	96752
880-51580-3	H-3 (0-0.5')	Soluble	Solid	300.0	96752
880-51580-4	H-4 (0-0.5')	Soluble	Solid	300.0	96752
MB 880-96752/1-A	Method Blank	Soluble	Solid	300.0	96752
LCS 880-96752/2-A	Lab Control Sample	Soluble	Solid	300.0	96752
LCSD 880-96752/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	96752
880-51581-A-5-D MS	Matrix Spike	Soluble	Solid	300.0	96752
880-51581-A-5-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	96752

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51580-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-51580-1

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	96753	11/27/24 11:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96692	11/27/24 16:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96852	11/27/24 16:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			96973	11/27/24 16:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96751	11/27/24 10:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96765	11/27/24 16:09	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	96752	11/27/24 10:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96756	12/01/24 14:28	CH	EET MID

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

Lab Sample ID: 880-51580-2

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	96753	11/27/24 11:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96692	11/27/24 16:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96852	11/27/24 16:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			96973	11/27/24 16:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	96751	11/27/24 10:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96765	11/27/24 16:25	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	96752	11/27/24 10:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96756	12/01/24 14:36	CH	EET MID

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

Lab Sample ID: 880-51580-3

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	96753	11/27/24 11:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96692	11/27/24 17:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96852	11/27/24 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			96973	11/27/24 16:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96751	11/27/24 10:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96765	11/27/24 16:41	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	96752	11/27/24 10:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96756	12/01/24 14:44	CH	EET MID

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

Lab Sample ID: 880-51580-4

Date Collected: 11/25/24 00:00

Matrix: Solid

Date Received: 11/27/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	96753	11/27/24 11:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96692	11/27/24 17:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96852	11/27/24 17:42	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51580-1
SDG: Eddy County, New Mexico

Client Sample ID: H-4 (0-0.5')
Date Collected: 11/25/24 00:00
Date Received: 11/27/24 10:30

Lab Sample ID: 880-51580-4
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			96973	11/27/24 16:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	96751	11/27/24 10:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96765	11/27/24 16:57	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	96752	11/27/24 10:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96756	12/01/24 15:08	CH	EET MID

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-51580-1
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	06-30-25
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: Wild Cap 3 (11.10.24)

Job ID: 880-51580-1
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: Wild Cap 3 (11.10.24)

Job ID: 880-51580-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-51580-1	H-1 (0-0.5')	Solid	11/25/24 00:00	11/27/24 10:30
880-51580-2	H-2 (0-0.5')	Solid	11/25/24 00:00	11/27/24 10:30
880-51580-3	H-3 (0-0.5')	Solid	11/25/24 00:00	11/27/24 10:30
880-51580-4	H-4 (0-0.5')	Solid	11/25/24 00:00	11/27/24 10:30

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Chain of Custody

Project Manager:	Corrner Moehring	Bill to: (if different)	Cammona Resources
Company Name:	Cammona 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:	mcammona@cammonaresources.com

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

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	Feb 11/27/24		11/27 1000



888-51580 Chain of Custody

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-51580-1
SDG Number: Eddy County, New Mexico

Login Number: 51580

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/3/2025 10:34:15 AM

JOB DESCRIPTION

Wild Cap 3 (11.10.24)
Eddy County NM

JOB NUMBER

880-52757-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

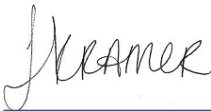
Eurofins Midland

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
1/3/2025 10:34:15 AM

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

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Laboratory Job ID: 880-52757-1
SDG: Eddy County NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1

Job ID: 880-52757-1

Eurofins Midland

Job Narrative 880-52757-1

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 1/2/2025 12:01 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.4°C.

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-98971 and analytical batch 880-99258 was outside control limits. Sample non-homogeneity is suspected.

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 880-99320 and analytical batch 880-99331 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: SW-1 (2.0') (880-52757-11), SW-2 (2.0') (880-52757-12), SW-3 (2.0') (880-52757-13), SW-4 (3.0') (880-52757-14), SW-5 (3.0') (880-52757-15), SW-6 (3.0') (880-52757-16), SW-7 (7.0') (880-52757-17), SW-8 (8.0') (880-52757-18), SW-9 (10.0') (880-52757-19), SW-10 (10.0') (880-52757-20), (880-52757-A-11-D MS) and (880-52757-A-11-E MSD).

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

Client Sample ID: CS-1 (2.0')

Lab Sample ID: 880-52757-1

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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		01/02/25 12:35	01/02/25 14:03	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/02/25 12:35	01/02/25 14:03	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/02/25 12:35	01/02/25 14:03	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/02/25 12:35	01/02/25 14:03	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/02/25 12:35	01/02/25 14:03	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/02/25 12:35	01/02/25 14:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	01/02/25 12:35	01/02/25 14:03	1
1,4-Difluorobenzene (Surr)	96		70 - 130	01/02/25 12:35	01/02/25 14:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/02/25 14:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			01/02/25 18:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		01/02/25 12:54	01/02/25 18:36	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		01/02/25 12:54	01/02/25 18:36	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		01/02/25 12:54	01/02/25 18:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	01/02/25 12:54	01/02/25 18:36	1
o-Terphenyl	74		70 - 130	01/02/25 12:54	01/02/25 18:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	129		9.94		mg/Kg			01/02/25 15:30	1

Client Sample ID: CS-2 (2.0')

Lab Sample ID: 880-52757-2

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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		01/02/25 12:35	01/02/25 14:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:35	01/02/25 14:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:35	01/02/25 14:24	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/02/25 12:35	01/02/25 14:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:35	01/02/25 14:24	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/02/25 12:35	01/02/25 14:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	01/02/25 12:35	01/02/25 14:24	1
1,4-Difluorobenzene (Surr)	96		70 - 130	01/02/25 12:35	01/02/25 14:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

Client Sample ID: CS-2 (2.0')

Lab Sample ID: 880-52757-2

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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			01/02/25 14:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			01/02/25 19:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		01/02/25 12:54	01/02/25 19:19	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		01/02/25 12:54	01/02/25 19:19	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/02/25 12:54	01/02/25 19:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				01/02/25 12:54	01/02/25 19:19	1
o-Terphenyl	75		70 - 130				01/02/25 12:54	01/02/25 19:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		9.90		mg/Kg			01/02/25 15:49	1

Client Sample ID: CS-3 (2.0')

Lab Sample ID: 880-52757-3

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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		01/02/25 12:35	01/02/25 14:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/02/25 12:35	01/02/25 14:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/02/25 12:35	01/02/25 14:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/02/25 12:35	01/02/25 14:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/02/25 12:35	01/02/25 14:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/02/25 12:35	01/02/25 14:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				01/02/25 12:35	01/02/25 14:44	1
1,4-Difluorobenzene (Surr)	100		70 - 130				01/02/25 12:35	01/02/25 14:44	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			01/02/25 14:44	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			01/02/25 19:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/02/25 12:54	01/02/25 19:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/02/25 12:54	01/02/25 19:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

Client Sample ID: CS-3 (2.0')

Lab Sample ID: 880-52757-3

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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		01/02/25 12:54	01/02/25 19:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				01/02/25 12:54	01/02/25 19:34	1
o-Terphenyl	74		70 - 130				01/02/25 12:54	01/02/25 19:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		9.98		mg/Kg			01/02/25 15:54	1

Client Sample ID: CS-4 (2.0')

Lab Sample ID: 880-52757-4

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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		01/02/25 12:35	01/02/25 15:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:35	01/02/25 15:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:35	01/02/25 15:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/02/25 12:35	01/02/25 15:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:35	01/02/25 15:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/02/25 12:35	01/02/25 15:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				01/02/25 12:35	01/02/25 15:05	1
1,4-Difluorobenzene (Surr)	98		70 - 130				01/02/25 12:35	01/02/25 15:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/02/25 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	<49.6	U	49.6		mg/Kg			01/02/25 19:48	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	<49.6	U	49.6		mg/Kg		01/02/25 12:54	01/02/25 19:48	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		01/02/25 12:54	01/02/25 19:48	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		01/02/25 12:54	01/02/25 19:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				01/02/25 12:54	01/02/25 19:48	1
o-Terphenyl	74		70 - 130				01/02/25 12:54	01/02/25 19:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.4		10.1		mg/Kg			01/02/25 16:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

Client Sample ID: CS-5 (2.0')

Lab Sample ID: 880-52757-5

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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		01/02/25 12:35	01/02/25 16:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/02/25 12:35	01/02/25 16:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/02/25 12:35	01/02/25 16:38	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/02/25 12:35	01/02/25 16:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/02/25 12:35	01/02/25 16:38	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/02/25 12:35	01/02/25 16:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	01/02/25 12:35	01/02/25 16:38	1
1,4-Difluorobenzene (Surr)	97		70 - 130	01/02/25 12:35	01/02/25 16:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/02/25 16:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/02/25 20:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/02/25 12:54	01/02/25 20:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/02/25 12:54	01/02/25 20:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/02/25 12:54	01/02/25 20:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130	01/02/25 12:54	01/02/25 20:03	1
o-Terphenyl	75		70 - 130	01/02/25 12:54	01/02/25 20:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	204		10.1		mg/Kg			01/02/25 16:06	1

Client Sample ID: CS-6 (3.0')

Lab Sample ID: 880-52757-6

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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		01/02/25 12:35	01/02/25 16:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:35	01/02/25 16:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:35	01/02/25 16:59	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/02/25 12:35	01/02/25 16:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:35	01/02/25 16:59	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/02/25 12:35	01/02/25 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	01/02/25 12:35	01/02/25 16:59	1
1,4-Difluorobenzene (Surr)	97		70 - 130	01/02/25 12:35	01/02/25 16:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

Client Sample ID: CS-6 (3.0')

Lab Sample ID: 880-52757-6

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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			01/02/25 16:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			01/02/25 20:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		01/02/25 12:54	01/02/25 20:19	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		01/02/25 12:54	01/02/25 20:19	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		01/02/25 12:54	01/02/25 20:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				01/02/25 12:54	01/02/25 20:19	1
o-Terphenyl	71		70 - 130				01/02/25 12:54	01/02/25 20:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.4		9.92		mg/Kg			01/02/25 16:24	1

Client Sample ID: CS-7 (3.0')

Lab Sample ID: 880-52757-7

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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		01/02/25 12:35	01/02/25 17:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:35	01/02/25 17:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:35	01/02/25 17:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/02/25 12:35	01/02/25 17:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:35	01/02/25 17:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/02/25 12:35	01/02/25 17:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				01/02/25 12:35	01/02/25 17:19	1
1,4-Difluorobenzene (Surr)	98		70 - 130				01/02/25 12:35	01/02/25 17:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/02/25 17:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			01/02/25 20:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		01/02/25 12:54	01/02/25 20:33	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		01/02/25 12:54	01/02/25 20:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

Client Sample ID: CS-7 (3.0')

Lab Sample ID: 880-52757-7

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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		01/02/25 12:54	01/02/25 20:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				01/02/25 12:54	01/02/25 20:33	1
o-Terphenyl	72		70 - 130				01/02/25 12:54	01/02/25 20:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		10.0		mg/Kg			01/02/25 16:30	1

Client Sample ID: CS-8 (3.0')

Lab Sample ID: 880-52757-8

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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		01/02/25 12:35	01/02/25 17:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/02/25 12:35	01/02/25 17:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/02/25 12:35	01/02/25 17:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/02/25 12:35	01/02/25 17:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/02/25 12:35	01/02/25 17:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/02/25 12:35	01/02/25 17:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				01/02/25 12:35	01/02/25 17:40	1
1,4-Difluorobenzene (Surr)	93		70 - 130				01/02/25 12:35	01/02/25 17:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/02/25 17:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			01/02/25 20:50	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	<50.4	U	50.4		mg/Kg		01/02/25 12:54	01/02/25 20:50	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		01/02/25 12:54	01/02/25 20:50	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		01/02/25 12:54	01/02/25 20:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				01/02/25 12:54	01/02/25 20:50	1
o-Terphenyl	75		70 - 130				01/02/25 12:54	01/02/25 20:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.2		9.98		mg/Kg			01/02/25 16:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

Client Sample ID: CS-9 (3.0')

Lab Sample ID: 880-52757-9

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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		01/02/25 12:35	01/02/25 18:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/02/25 12:35	01/02/25 18:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/02/25 12:35	01/02/25 18:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/02/25 12:35	01/02/25 18:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/02/25 12:35	01/02/25 18:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/02/25 12:35	01/02/25 18:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	01/02/25 12:35	01/02/25 18:00	1
1,4-Difluorobenzene (Surr)	99		70 - 130	01/02/25 12:35	01/02/25 18:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/02/25 18:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			01/02/25 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		01/02/25 12:54	01/02/25 21:04	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		01/02/25 12:54	01/02/25 21:04	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		01/02/25 12:54	01/02/25 21:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	01/02/25 12:54	01/02/25 21:04	1
o-Terphenyl	77		70 - 130	01/02/25 12:54	01/02/25 21:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	238		9.96		mg/Kg			01/02/25 16:42	1

Client Sample ID: CS-10 (10.0')

Lab Sample ID: 880-52757-10

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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		01/02/25 12:35	01/02/25 18:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/02/25 12:35	01/02/25 18:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/02/25 12:35	01/02/25 18:21	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		01/02/25 12:35	01/02/25 18:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/02/25 12:35	01/02/25 18:21	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/02/25 12:35	01/02/25 18:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	01/02/25 12:35	01/02/25 18:21	1
1,4-Difluorobenzene (Surr)	98		70 - 130	01/02/25 12:35	01/02/25 18:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

Client Sample ID: CS-10 (10.0')

Lab Sample ID: 880-52757-10

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			01/02/25 18:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/02/25 21:20	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	<49.7	U	49.7		mg/Kg		01/02/25 12:54	01/02/25 21:20	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/02/25 12:54	01/02/25 21:20	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/02/25 12:54	01/02/25 21:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				01/02/25 12:54	01/02/25 21:20	1
o-Terphenyl	83		70 - 130				01/02/25 12:54	01/02/25 21:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	307		10.0		mg/Kg			01/02/25 16:48	1

Client Sample ID: SW-1 (2.0')

Lab Sample ID: 880-52757-11

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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		01/02/25 12:35	01/02/25 18:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:35	01/02/25 18:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:35	01/02/25 18:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/02/25 12:35	01/02/25 18:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:35	01/02/25 18:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/02/25 12:35	01/02/25 18:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				01/02/25 12:35	01/02/25 18:42	1
1,4-Difluorobenzene (Surr)	100		70 - 130				01/02/25 12:35	01/02/25 18:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/02/25 18:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/02/25 21:50	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	<49.9	U	49.9		mg/Kg		01/02/25 12:54	01/02/25 21:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/02/25 12:54	01/02/25 21:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

Client Sample ID: SW-1 (2.0')

Lab Sample ID: 880-52757-11

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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		01/02/25 12:54	01/02/25 21:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				01/02/25 12:54	01/02/25 21:50	1
o-Terphenyl	76		70 - 130				01/02/25 12:54	01/02/25 21:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112	F1	10.0		mg/Kg			01/02/25 16:53	1

Client Sample ID: SW-2 (2.0')

Lab Sample ID: 880-52757-12

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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		01/02/25 12:35	01/02/25 19:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/02/25 12:35	01/02/25 19:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/02/25 12:35	01/02/25 19:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/02/25 12:35	01/02/25 19:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/02/25 12:35	01/02/25 19:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/02/25 12:35	01/02/25 19:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				01/02/25 12:35	01/02/25 19:02	1
1,4-Difluorobenzene (Surr)	99		70 - 130				01/02/25 12:35	01/02/25 19:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/02/25 19:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/02/25 22:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/02/25 12:54	01/02/25 22:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/02/25 12:54	01/02/25 22:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/02/25 12:54	01/02/25 22:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				01/02/25 12:54	01/02/25 22:04	1
o-Terphenyl	78		70 - 130				01/02/25 12:54	01/02/25 22:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.9		9.90		mg/Kg			01/02/25 17:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

Client Sample ID: SW-3 (2.0')

Lab Sample ID: 880-52757-13

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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		01/02/25 12:35	01/02/25 19:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/02/25 12:35	01/02/25 19:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/02/25 12:35	01/02/25 19:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/02/25 12:35	01/02/25 19:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/02/25 12:35	01/02/25 19:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/02/25 12:35	01/02/25 19:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	01/02/25 12:35	01/02/25 19:22	1
1,4-Difluorobenzene (Surr)	99		70 - 130	01/02/25 12:35	01/02/25 19:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/02/25 19:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/02/25 22:19	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		01/02/25 12:54	01/02/25 22:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/02/25 12:54	01/02/25 22:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/02/25 12:54	01/02/25 22:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	01/02/25 12:54	01/02/25 22:19	1
o-Terphenyl	78		70 - 130	01/02/25 12:54	01/02/25 22:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.9		10.0		mg/Kg			01/02/25 17:17	1

Client Sample ID: SW-4 (3.0')

Lab Sample ID: 880-52757-14

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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		01/02/25 12:35	01/02/25 19:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:35	01/02/25 19:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:35	01/02/25 19:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/02/25 12:35	01/02/25 19:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:35	01/02/25 19:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/02/25 12:35	01/02/25 19:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	01/02/25 12:35	01/02/25 19:43	1
1,4-Difluorobenzene (Surr)	99		70 - 130	01/02/25 12:35	01/02/25 19:43	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

Client Sample ID: SW-4 (3.0')

Lab Sample ID: 880-52757-14

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			01/02/25 19:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			01/02/25 22:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		01/02/25 12:54	01/02/25 22:34	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		01/02/25 12:54	01/02/25 22:34	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/02/25 12:54	01/02/25 22:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				01/02/25 12:54	01/02/25 22:34	1
o-Terphenyl	76		70 - 130				01/02/25 12:54	01/02/25 22:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.0		9.96		mg/Kg			01/02/25 17:35	1

Client Sample ID: SW-5 (3.0')

Lab Sample ID: 880-52757-15

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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		01/02/25 12:33	01/02/25 14:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/02/25 12:33	01/02/25 14:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/02/25 12:33	01/02/25 14:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/02/25 12:33	01/02/25 14:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/02/25 12:33	01/02/25 14:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/02/25 12:33	01/02/25 14:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				01/02/25 12:33	01/02/25 14:09	1
1,4-Difluorobenzene (Surr)	101		70 - 130				01/02/25 12:33	01/02/25 14:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/02/25 14:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			01/02/25 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	<50.2	U	50.2		mg/Kg		01/02/25 12:54	01/02/25 22:48	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		01/02/25 12:54	01/02/25 22:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

Client Sample ID: SW-5 (3.0')

Lab Sample ID: 880-52757-15

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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		01/02/25 12:54	01/02/25 22:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				01/02/25 12:54	01/02/25 22:48	1
o-Terphenyl	75		70 - 130				01/02/25 12:54	01/02/25 22:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.8		9.92		mg/Kg			01/02/25 17:41	1

Client Sample ID: SW-6 (3.0')

Lab Sample ID: 880-52757-16

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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		01/02/25 12:33	01/02/25 14:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:33	01/02/25 14:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:33	01/02/25 14:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/02/25 12:33	01/02/25 14:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:33	01/02/25 14:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/02/25 12:33	01/02/25 14:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				01/02/25 12:33	01/02/25 14:29	1
1,4-Difluorobenzene (Surr)	96		70 - 130				01/02/25 12:33	01/02/25 14:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/02/25 14:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			01/02/25 23:03	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	<50.4	U	50.4		mg/Kg		01/02/25 12:54	01/02/25 23:03	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		01/02/25 12:54	01/02/25 23:03	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		01/02/25 12:54	01/02/25 23:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				01/02/25 12:54	01/02/25 23:03	1
o-Terphenyl	76		70 - 130				01/02/25 12:54	01/02/25 23:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.5		10.1		mg/Kg			01/02/25 17:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

Client Sample ID: SW-7 (7.0')

Lab Sample ID: 880-52757-17

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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		01/02/25 12:33	01/02/25 14:50	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/02/25 12:33	01/02/25 14:50	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/02/25 12:33	01/02/25 14:50	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/02/25 12:33	01/02/25 14:50	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/02/25 12:33	01/02/25 14:50	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/02/25 12:33	01/02/25 14:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				01/02/25 12:33	01/02/25 14:50	1
1,4-Difluorobenzene (Surr)	96		70 - 130				01/02/25 12:33	01/02/25 14:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/02/25 14:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/02/25 23:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/02/25 12:54	01/02/25 23:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/02/25 12:54	01/02/25 23:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/02/25 12:54	01/02/25 23:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				01/02/25 12:54	01/02/25 23:18	1
o-Terphenyl	82		70 - 130				01/02/25 12:54	01/02/25 23:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	332		9.96		mg/Kg			01/02/25 17:52	1

Client Sample ID: SW-8 (8.0')

Lab Sample ID: 880-52757-18

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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		01/02/25 12:33	01/02/25 16:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:33	01/02/25 16:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:33	01/02/25 16:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/02/25 12:33	01/02/25 16:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:33	01/02/25 16:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/02/25 12:33	01/02/25 16:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				01/02/25 12:33	01/02/25 16:13	1
1,4-Difluorobenzene (Surr)	98		70 - 130				01/02/25 12:33	01/02/25 16:13	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

Client Sample ID: SW-8 (8.0')

Lab Sample ID: 880-52757-18

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/02/25 16:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/02/25 23:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/02/25 12:54	01/02/25 23:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/02/25 12:54	01/02/25 23:34	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/02/25 12:54	01/02/25 23:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				01/02/25 12:54	01/02/25 23:34	1
o-Terphenyl	81		70 - 130				01/02/25 12:54	01/02/25 23:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	312		10.1		mg/Kg			01/02/25 17:58	1

Client Sample ID: SW-9 (10.0')

Lab Sample ID: 880-52757-19

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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		01/02/25 12:33	01/02/25 16:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/02/25 12:33	01/02/25 16:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/02/25 12:33	01/02/25 16:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/02/25 12:33	01/02/25 16:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/02/25 12:33	01/02/25 16:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/02/25 12:33	01/02/25 16:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				01/02/25 12:33	01/02/25 16:33	1
1,4-Difluorobenzene (Surr)	98		70 - 130				01/02/25 12:33	01/02/25 16:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/02/25 16:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/02/25 23:48	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		01/02/25 12:54	01/02/25 23:48	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/02/25 12:54	01/02/25 23:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

Client Sample ID: SW-9 (10.0')

Lab Sample ID: 880-52757-19

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/02/25 12:54	01/02/25 23:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				01/02/25 12:54	01/02/25 23:48	1
o-Terphenyl	76		70 - 130				01/02/25 12:54	01/02/25 23:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	259		10.1		mg/Kg			01/02/25 18:04	1

Client Sample ID: SW-10 (10.0')

Lab Sample ID: 880-52757-20

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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		01/02/25 12:33	01/02/25 16:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:33	01/02/25 16:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:33	01/02/25 16:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/02/25 12:33	01/02/25 16:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/02/25 12:33	01/02/25 16:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/02/25 12:33	01/02/25 16:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				01/02/25 12:33	01/02/25 16:53	1
1,4-Difluorobenzene (Surr)	99		70 - 130				01/02/25 12:33	01/02/25 16:53	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			01/02/25 16:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/03/25 00:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/02/25 12:54	01/03/25 00:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/02/25 12:54	01/03/25 00:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/02/25 12:54	01/03/25 00:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				01/02/25 12:54	01/03/25 00:05	1
o-Terphenyl	78		70 - 130				01/02/25 12:54	01/03/25 00:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	284		9.96		mg/Kg			01/02/25 18:10	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
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)
880-52601-A-1-D MS	Matrix Spike	104	110
880-52601-A-1-E MSD	Matrix Spike Duplicate	91	99
880-52757-1	CS-1 (2.0')	97	96
880-52757-2	CS-2 (2.0')	98	96
880-52757-3	CS-3 (2.0')	110	100
880-52757-4	CS-4 (2.0')	102	98
880-52757-5	CS-5 (2.0')	104	97
880-52757-6	CS-6 (3.0')	99	97
880-52757-7	CS-7 (3.0')	96	98
880-52757-8	CS-8 (3.0')	111	93
880-52757-9	CS-9 (3.0')	94	99
880-52757-10	CS-10 (10.0')	101	98
880-52757-11	SW-1 (2.0')	109	100
880-52757-12	SW-2 (2.0')	105	99
880-52757-13	SW-3 (2.0')	101	99
880-52757-14	SW-4 (3.0')	98	99
880-52757-15	SW-5 (3.0')	116	101
880-52757-16	SW-6 (3.0')	106	96
880-52757-17	SW-7 (7.0')	107	96
880-52757-18	SW-8 (8.0')	112	98
880-52757-19	SW-9 (10.0')	107	98
880-52757-20	SW-10 (10.0')	115	99
890-7526-A-1-A MS	Matrix Spike	99	99
890-7526-A-1-B MSD	Matrix Spike Duplicate	106	103
LCS 880-98971/1-A	Lab Control Sample	100	100
LCS 880-99268/1-A	Lab Control Sample	102	100
LCSD 880-98971/2-A	Lab Control Sample Dup	113	99
LCSD 880-99268/2-A	Lab Control Sample Dup	98	99
MB 880-98971/5-A	Method Blank	96	93
MB 880-99268/5-A	Method Blank	105	96
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-52757-1	CS-1 (2.0')	77	74
880-52757-1 MS	CS-1 (2.0')	83	78
880-52757-1 MSD	CS-1 (2.0')	82	78
880-52757-2	CS-2 (2.0')	77	75
880-52757-3	CS-3 (2.0')	77	74
880-52757-4	CS-4 (2.0')	78	74
880-52757-5	CS-5 (2.0')	78	75
880-52757-6	CS-6 (3.0')	75	71
880-52757-7	CS-7 (3.0')	74	72

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Surrogate Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-52757-8	CS-8 (3.0')	77	75
880-52757-9	CS-9 (3.0')	80	77
880-52757-10	CS-10 (10.0')	85	83
880-52757-11	SW-1 (2.0')	80	76
880-52757-12	SW-2 (2.0')	80	78
880-52757-13	SW-3 (2.0')	79	78
880-52757-14	SW-4 (3.0')	78	76
880-52757-15	SW-5 (3.0')	78	75
880-52757-16	SW-6 (3.0')	79	76
880-52757-17	SW-7 (7.0')	82	82
880-52757-18	SW-8 (8.0')	83	81
880-52757-19	SW-9 (10.0')	79	76
880-52757-20	SW-10 (10.0')	80	78
LCS 880-99318/2-A	Lab Control Sample	116	107
LCSD 880-99318/3-A	Lab Control Sample Dup	112	104
MB 880-99318/1-A	Method Blank	83	83
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-98971/5-A

Matrix: Solid

Analysis Batch: 99258

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98971

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:35	01/02/25 11:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:35	01/02/25 11:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:35	01/02/25 11:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/27/24 14:35	01/02/25 11:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:35	01/02/25 11:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/27/24 14:35	01/02/25 11:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	12/27/24 14:35	01/02/25 11:38	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/27/24 14:35	01/02/25 11:38	1

Lab Sample ID: LCS 880-98971/1-A

Matrix: Solid

Analysis Batch: 99258

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 98971

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09628		mg/Kg		96	70 - 130
Toluene	0.100	0.09228		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.08776		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1700		mg/Kg		85	70 - 130
o-Xylene	0.100	0.09339		mg/Kg		93	70 - 130

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

Lab Sample ID: LCSD 880-98971/2-A

Matrix: Solid

Analysis Batch: 99258

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 98971

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1108		mg/Kg		111	70 - 130	14	35
Toluene	0.100	0.1158		mg/Kg		116	70 - 130	23	35
Ethylbenzene	0.100	0.1127		mg/Kg		113	70 - 130	25	35
m-Xylene & p-Xylene	0.200	0.2180		mg/Kg		109	70 - 130	25	35
o-Xylene	0.100	0.1188		mg/Kg		119	70 - 130	24	35

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

Lab Sample ID: 880-52601-A-1-D MS

Matrix: Solid

Analysis Batch: 99258

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 98971

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0996	0.1153		mg/Kg		116	70 - 130
Toluene	<0.00200	U	0.0996	0.09901		mg/Kg		99	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

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

Lab Sample ID: 880-52601-A-1-D MS

Matrix: Solid

Analysis Batch: 99258

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 98971

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0996	0.1103		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	<0.00399	U F2	0.199	0.2499		mg/Kg		125	70 - 130
o-Xylene	<0.00200	U	0.0996	0.08876		mg/Kg		89	70 - 130
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	104		70 - 130						
1,4-Difluorobenzene (Surr)	110		70 - 130						

Lab Sample ID: 880-52601-A-1-E MSD

Matrix: Solid

Analysis Batch: 99258

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 98971

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.101	0.1072		mg/Kg		106	70 - 130	7	35
Toluene	<0.00200	U	0.101	0.09849		mg/Kg		98	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.101	0.08720		mg/Kg		87	70 - 130	23	35
m-Xylene & p-Xylene	<0.00399	U F2	0.202	0.1604	F2	mg/Kg		80	70 - 130	44	35
o-Xylene	<0.00200	U	0.101	0.08525		mg/Kg		85	70 - 130	4	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	91		70 - 130								
1,4-Difluorobenzene (Surr)	99		70 - 130								

Lab Sample ID: MB 880-99268/5-A

Matrix: Solid

Analysis Batch: 99256

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 99268

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/02/25 09:00	01/02/25 11:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/02/25 09:00	01/02/25 11:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/02/25 09:00	01/02/25 11:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/02/25 09:00	01/02/25 11:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/02/25 09:00	01/02/25 11:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/02/25 09:00	01/02/25 11:24	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				01/02/25 09:00	01/02/25 11:24	1
1,4-Difluorobenzene (Surr)	96		70 - 130				01/02/25 09:00	01/02/25 11:24	1

Lab Sample ID: LCS 880-99268/1-A

Matrix: Solid

Analysis Batch: 99256

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 99268

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08217		mg/Kg		82	70 - 130
Toluene	0.100	0.08240		mg/Kg		82	70 - 130
Ethylbenzene	0.100	0.07852		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	0.200	0.1664		mg/Kg		83	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

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

Lab Sample ID: LCS 880-99268/1-A

Matrix: Solid

Analysis Batch: 99256

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 99268

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.08377		mg/Kg		84	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-99268/2-A

Matrix: Solid

Analysis Batch: 99256

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 99268

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1047		mg/Kg		105	70 - 130	24	35
Toluene	0.100	0.1061		mg/Kg		106	70 - 130	25	35
Ethylbenzene	0.100	0.1014		mg/Kg		101	70 - 130	25	35
m-Xylene & p-Xylene	0.200	0.2129		mg/Kg		106	70 - 130	25	35
o-Xylene	0.100	0.1050		mg/Kg		105	70 - 130	23	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-7526-A-1-A MS

Matrix: Solid

Analysis Batch: 99256

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 99268

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0998	0.09940		mg/Kg		100	70 - 130
Toluene	<0.00201	U	0.0998	0.09992		mg/Kg		100	70 - 130
Ethylbenzene	<0.00201	U	0.0998	0.09176		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1912		mg/Kg		96	70 - 130
o-Xylene	<0.00201	U	0.0998	0.09411		mg/Kg		94	70 - 130

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

Lab Sample ID: 890-7526-A-1-B MSD

Matrix: Solid

Analysis Batch: 99256

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 99268

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0990	0.1006		mg/Kg		102	70 - 130	1	35
Toluene	<0.00201	U	0.0990	0.09872		mg/Kg		100	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.0990	0.09011		mg/Kg		91	70 - 130	2	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1913		mg/Kg		97	70 - 130	0	35
o-Xylene	<0.00201	U	0.0990	0.09158		mg/Kg		92	70 - 130	3	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

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

Lab Sample ID: 890-7526-A-1-B MSD

Matrix: Solid

Analysis Batch: 99256

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 99268

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

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

Lab Sample ID: MB 880-99318/1-A

Matrix: Solid

Analysis Batch: 99294

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 99318

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/02/25 12:54	01/02/25 17:52	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/02/25 12:54	01/02/25 17:52	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/02/25 12:54	01/02/25 17:52	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	83		70 - 130				01/02/25 12:54	01/02/25 17:52	1	
o-Terphenyl	83		70 - 130				01/02/25 12:54	01/02/25 17:52	1	

Lab Sample ID: LCS 880-99318/2-A

Matrix: Solid

Analysis Batch: 99294

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 99318

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10			1000	1081		mg/Kg		108	70 - 130	
Diesel Range Organics (Over C10-C28)			1000	1036		mg/Kg		104	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	116		70 - 130							
o-Terphenyl	107		70 - 130							

Lab Sample ID: LCSD 880-99318/3-A

Matrix: Solid

Analysis Batch: 99294

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 99318

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1056		mg/Kg		106	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)			1000	1024		mg/Kg		102	70 - 130	1	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	112		70 - 130									
o-Terphenyl	104		70 - 130									

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

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

Lab Sample ID: 880-52757-1 MS

Matrix: Solid

Analysis Batch: 99294

Client Sample ID: CS-1 (2.0')

Prep Type: Total/NA

Prep Batch: 99318

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	1010	734.8		mg/Kg		73	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.3	U	1010	782.3		mg/Kg		78	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	83		70 - 130								
o-Terphenyl	78		70 - 130								

Lab Sample ID: 880-52757-1 MSD

Matrix: Solid

Analysis Batch: 99294

Client Sample ID: CS-1 (2.0')

Prep Type: Total/NA

Prep Batch: 99318

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	1010	707.5		mg/Kg		70	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.3	U	1010	754.3		mg/Kg		75	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	82		70 - 130								
o-Terphenyl	78		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-99320/1-A

Matrix: Solid

Analysis Batch: 99331

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			01/02/25 15:13	1

Lab Sample ID: LCS 880-99320/2-A

Matrix: Solid

Analysis Batch: 99331

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	235.3		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-99320/3-A

Matrix: Solid

Analysis Batch: 99331

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	236.6		mg/Kg		95	90 - 110	1	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-52757-1 MS

Matrix: Solid

Analysis Batch: 99331

Client Sample ID: CS-1 (2.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	129		249	383.6		mg/Kg		103	90 - 110		

Lab Sample ID: 880-52757-1 MSD

Matrix: Solid

Analysis Batch: 99331

Client Sample ID: CS-1 (2.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	129		249	385.1		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-52757-11 MS

Matrix: Solid

Analysis Batch: 99331

Client Sample ID: SW-1 (2.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	112	F1	251	404.4	F1	mg/Kg		117	90 - 110		

Lab Sample ID: 880-52757-11 MSD

Matrix: Solid

Analysis Batch: 99331

Client Sample ID: SW-1 (2.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	112	F1	251	405.2	F1	mg/Kg		117	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

GC VOA

Prep Batch: 98971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52757-1	CS-1 (2.0')	Total/NA	Solid	5035	
880-52757-2	CS-2 (2.0')	Total/NA	Solid	5035	
880-52757-3	CS-3 (2.0')	Total/NA	Solid	5035	
880-52757-4	CS-4 (2.0')	Total/NA	Solid	5035	
880-52757-5	CS-5 (2.0')	Total/NA	Solid	5035	
880-52757-6	CS-6 (3.0')	Total/NA	Solid	5035	
880-52757-7	CS-7 (3.0')	Total/NA	Solid	5035	
880-52757-8	CS-8 (3.0')	Total/NA	Solid	5035	
880-52757-9	CS-9 (3.0')	Total/NA	Solid	5035	
880-52757-10	CS-10 (10.0')	Total/NA	Solid	5035	
880-52757-11	SW-1 (2.0')	Total/NA	Solid	5035	
880-52757-12	SW-2 (2.0')	Total/NA	Solid	5035	
880-52757-13	SW-3 (2.0')	Total/NA	Solid	5035	
880-52757-14	SW-4 (3.0')	Total/NA	Solid	5035	
MB 880-98971/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98971/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98971/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-52601-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-52601-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 99256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52757-15	SW-5 (3.0')	Total/NA	Solid	8021B	99268
880-52757-16	SW-6 (3.0')	Total/NA	Solid	8021B	99268
880-52757-17	SW-7 (7.0')	Total/NA	Solid	8021B	99268
880-52757-18	SW-8 (8.0')	Total/NA	Solid	8021B	99268
880-52757-19	SW-9 (10.0')	Total/NA	Solid	8021B	99268
880-52757-20	SW-10 (10.0')	Total/NA	Solid	8021B	99268
MB 880-99268/5-A	Method Blank	Total/NA	Solid	8021B	99268
LCS 880-99268/1-A	Lab Control Sample	Total/NA	Solid	8021B	99268
LCSD 880-99268/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	99268
890-7526-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	99268
890-7526-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	99268

Analysis Batch: 99258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52757-1	CS-1 (2.0')	Total/NA	Solid	8021B	98971
880-52757-2	CS-2 (2.0')	Total/NA	Solid	8021B	98971
880-52757-3	CS-3 (2.0')	Total/NA	Solid	8021B	98971
880-52757-4	CS-4 (2.0')	Total/NA	Solid	8021B	98971
880-52757-5	CS-5 (2.0')	Total/NA	Solid	8021B	98971
880-52757-6	CS-6 (3.0')	Total/NA	Solid	8021B	98971
880-52757-7	CS-7 (3.0')	Total/NA	Solid	8021B	98971
880-52757-8	CS-8 (3.0')	Total/NA	Solid	8021B	98971
880-52757-9	CS-9 (3.0')	Total/NA	Solid	8021B	98971
880-52757-10	CS-10 (10.0')	Total/NA	Solid	8021B	98971
880-52757-11	SW-1 (2.0')	Total/NA	Solid	8021B	98971
880-52757-12	SW-2 (2.0')	Total/NA	Solid	8021B	98971
880-52757-13	SW-3 (2.0')	Total/NA	Solid	8021B	98971
880-52757-14	SW-4 (3.0')	Total/NA	Solid	8021B	98971
MB 880-98971/5-A	Method Blank	Total/NA	Solid	8021B	98971

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QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

GC VOA (Continued)

Analysis Batch: 99258 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-98971/1-A	Lab Control Sample	Total/NA	Solid	8021B	98971
LCSD 880-98971/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98971
880-52601-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	98971
880-52601-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	98971

Prep Batch: 99268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52757-15	SW-5 (3.0')	Total/NA	Solid	5035	
880-52757-16	SW-6 (3.0')	Total/NA	Solid	5035	
880-52757-17	SW-7 (7.0')	Total/NA	Solid	5035	
880-52757-18	SW-8 (8.0')	Total/NA	Solid	5035	
880-52757-19	SW-9 (10.0')	Total/NA	Solid	5035	
880-52757-20	SW-10 (10.0')	Total/NA	Solid	5035	
MB 880-99268/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-99268/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-99268/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7526-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-7526-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 99345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52757-1	CS-1 (2.0')	Total/NA	Solid	Total BTEX	
880-52757-2	CS-2 (2.0')	Total/NA	Solid	Total BTEX	
880-52757-3	CS-3 (2.0')	Total/NA	Solid	Total BTEX	
880-52757-4	CS-4 (2.0')	Total/NA	Solid	Total BTEX	
880-52757-5	CS-5 (2.0')	Total/NA	Solid	Total BTEX	
880-52757-6	CS-6 (3.0')	Total/NA	Solid	Total BTEX	
880-52757-7	CS-7 (3.0')	Total/NA	Solid	Total BTEX	
880-52757-8	CS-8 (3.0')	Total/NA	Solid	Total BTEX	
880-52757-9	CS-9 (3.0')	Total/NA	Solid	Total BTEX	
880-52757-10	CS-10 (10.0')	Total/NA	Solid	Total BTEX	
880-52757-11	SW-1 (2.0')	Total/NA	Solid	Total BTEX	
880-52757-12	SW-2 (2.0')	Total/NA	Solid	Total BTEX	
880-52757-13	SW-3 (2.0')	Total/NA	Solid	Total BTEX	
880-52757-14	SW-4 (3.0')	Total/NA	Solid	Total BTEX	
880-52757-15	SW-5 (3.0')	Total/NA	Solid	Total BTEX	
880-52757-16	SW-6 (3.0')	Total/NA	Solid	Total BTEX	
880-52757-17	SW-7 (7.0')	Total/NA	Solid	Total BTEX	
880-52757-18	SW-8 (8.0')	Total/NA	Solid	Total BTEX	
880-52757-19	SW-9 (10.0')	Total/NA	Solid	Total BTEX	
880-52757-20	SW-10 (10.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 99294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52757-1	CS-1 (2.0')	Total/NA	Solid	8015B NM	99318
880-52757-2	CS-2 (2.0')	Total/NA	Solid	8015B NM	99318
880-52757-3	CS-3 (2.0')	Total/NA	Solid	8015B NM	99318
880-52757-4	CS-4 (2.0')	Total/NA	Solid	8015B NM	99318
880-52757-5	CS-5 (2.0')	Total/NA	Solid	8015B NM	99318

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

GC Semi VOA (Continued)

Analysis Batch: 99294 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52757-6	CS-6 (3.0')	Total/NA	Solid	8015B NM	99318
880-52757-7	CS-7 (3.0')	Total/NA	Solid	8015B NM	99318
880-52757-8	CS-8 (3.0')	Total/NA	Solid	8015B NM	99318
880-52757-9	CS-9 (3.0')	Total/NA	Solid	8015B NM	99318
880-52757-10	CS-10 (10.0')	Total/NA	Solid	8015B NM	99318
880-52757-11	SW-1 (2.0')	Total/NA	Solid	8015B NM	99318
880-52757-12	SW-2 (2.0')	Total/NA	Solid	8015B NM	99318
880-52757-13	SW-3 (2.0')	Total/NA	Solid	8015B NM	99318
880-52757-14	SW-4 (3.0')	Total/NA	Solid	8015B NM	99318
880-52757-15	SW-5 (3.0')	Total/NA	Solid	8015B NM	99318
880-52757-16	SW-6 (3.0')	Total/NA	Solid	8015B NM	99318
880-52757-17	SW-7 (7.0')	Total/NA	Solid	8015B NM	99318
880-52757-18	SW-8 (8.0')	Total/NA	Solid	8015B NM	99318
880-52757-19	SW-9 (10.0')	Total/NA	Solid	8015B NM	99318
880-52757-20	SW-10 (10.0')	Total/NA	Solid	8015B NM	99318
MB 880-99318/1-A	Method Blank	Total/NA	Solid	8015B NM	99318
LCS 880-99318/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	99318
LCSD 880-99318/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	99318
880-52757-1 MS	CS-1 (2.0')	Total/NA	Solid	8015B NM	99318
880-52757-1 MSD	CS-1 (2.0')	Total/NA	Solid	8015B NM	99318

Prep Batch: 99318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52757-1	CS-1 (2.0')	Total/NA	Solid	8015NM Prep	
880-52757-2	CS-2 (2.0')	Total/NA	Solid	8015NM Prep	
880-52757-3	CS-3 (2.0')	Total/NA	Solid	8015NM Prep	
880-52757-4	CS-4 (2.0')	Total/NA	Solid	8015NM Prep	
880-52757-5	CS-5 (2.0')	Total/NA	Solid	8015NM Prep	
880-52757-6	CS-6 (3.0')	Total/NA	Solid	8015NM Prep	
880-52757-7	CS-7 (3.0')	Total/NA	Solid	8015NM Prep	
880-52757-8	CS-8 (3.0')	Total/NA	Solid	8015NM Prep	
880-52757-9	CS-9 (3.0')	Total/NA	Solid	8015NM Prep	
880-52757-10	CS-10 (10.0')	Total/NA	Solid	8015NM Prep	
880-52757-11	SW-1 (2.0')	Total/NA	Solid	8015NM Prep	
880-52757-12	SW-2 (2.0')	Total/NA	Solid	8015NM Prep	
880-52757-13	SW-3 (2.0')	Total/NA	Solid	8015NM Prep	
880-52757-14	SW-4 (3.0')	Total/NA	Solid	8015NM Prep	
880-52757-15	SW-5 (3.0')	Total/NA	Solid	8015NM Prep	
880-52757-16	SW-6 (3.0')	Total/NA	Solid	8015NM Prep	
880-52757-17	SW-7 (7.0')	Total/NA	Solid	8015NM Prep	
880-52757-18	SW-8 (8.0')	Total/NA	Solid	8015NM Prep	
880-52757-19	SW-9 (10.0')	Total/NA	Solid	8015NM Prep	
880-52757-20	SW-10 (10.0')	Total/NA	Solid	8015NM Prep	
MB 880-99318/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-99318/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-99318/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-52757-1 MS	CS-1 (2.0')	Total/NA	Solid	8015NM Prep	
880-52757-1 MSD	CS-1 (2.0')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

GC Semi VOA

Analysis Batch: 99393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52757-1	CS-1 (2.0')	Total/NA	Solid	8015 NM	
880-52757-2	CS-2 (2.0')	Total/NA	Solid	8015 NM	
880-52757-3	CS-3 (2.0')	Total/NA	Solid	8015 NM	
880-52757-4	CS-4 (2.0')	Total/NA	Solid	8015 NM	
880-52757-5	CS-5 (2.0')	Total/NA	Solid	8015 NM	
880-52757-6	CS-6 (3.0')	Total/NA	Solid	8015 NM	
880-52757-7	CS-7 (3.0')	Total/NA	Solid	8015 NM	
880-52757-8	CS-8 (3.0')	Total/NA	Solid	8015 NM	
880-52757-9	CS-9 (3.0')	Total/NA	Solid	8015 NM	
880-52757-10	CS-10 (10.0')	Total/NA	Solid	8015 NM	
880-52757-11	SW-1 (2.0')	Total/NA	Solid	8015 NM	
880-52757-12	SW-2 (2.0')	Total/NA	Solid	8015 NM	
880-52757-13	SW-3 (2.0')	Total/NA	Solid	8015 NM	
880-52757-14	SW-4 (3.0')	Total/NA	Solid	8015 NM	
880-52757-15	SW-5 (3.0')	Total/NA	Solid	8015 NM	
880-52757-16	SW-6 (3.0')	Total/NA	Solid	8015 NM	
880-52757-17	SW-7 (7.0')	Total/NA	Solid	8015 NM	
880-52757-18	SW-8 (8.0')	Total/NA	Solid	8015 NM	
880-52757-19	SW-9 (10.0')	Total/NA	Solid	8015 NM	
880-52757-20	SW-10 (10.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 99320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52757-1	CS-1 (2.0')	Soluble	Solid	DI Leach	
880-52757-2	CS-2 (2.0')	Soluble	Solid	DI Leach	
880-52757-3	CS-3 (2.0')	Soluble	Solid	DI Leach	
880-52757-4	CS-4 (2.0')	Soluble	Solid	DI Leach	
880-52757-5	CS-5 (2.0')	Soluble	Solid	DI Leach	
880-52757-6	CS-6 (3.0')	Soluble	Solid	DI Leach	
880-52757-7	CS-7 (3.0')	Soluble	Solid	DI Leach	
880-52757-8	CS-8 (3.0')	Soluble	Solid	DI Leach	
880-52757-9	CS-9 (3.0')	Soluble	Solid	DI Leach	
880-52757-10	CS-10 (10.0')	Soluble	Solid	DI Leach	
880-52757-11	SW-1 (2.0')	Soluble	Solid	DI Leach	
880-52757-12	SW-2 (2.0')	Soluble	Solid	DI Leach	
880-52757-13	SW-3 (2.0')	Soluble	Solid	DI Leach	
880-52757-14	SW-4 (3.0')	Soluble	Solid	DI Leach	
880-52757-15	SW-5 (3.0')	Soluble	Solid	DI Leach	
880-52757-16	SW-6 (3.0')	Soluble	Solid	DI Leach	
880-52757-17	SW-7 (7.0')	Soluble	Solid	DI Leach	
880-52757-18	SW-8 (8.0')	Soluble	Solid	DI Leach	
880-52757-19	SW-9 (10.0')	Soluble	Solid	DI Leach	
880-52757-20	SW-10 (10.0')	Soluble	Solid	DI Leach	
MB 880-99320/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-99320/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-99320/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-52757-1 MS	CS-1 (2.0')	Soluble	Solid	DI Leach	
880-52757-1 MSD	CS-1 (2.0')	Soluble	Solid	DI Leach	
880-52757-11 MS	SW-1 (2.0')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

HPLC/IC (Continued)

Leach Batch: 99320 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52757-11 MSD	SW-1 (2.0')	Soluble	Solid	DI Leach	

Analysis Batch: 99331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52757-1	CS-1 (2.0')	Soluble	Solid	300.0	99320
880-52757-2	CS-2 (2.0')	Soluble	Solid	300.0	99320
880-52757-3	CS-3 (2.0')	Soluble	Solid	300.0	99320
880-52757-4	CS-4 (2.0')	Soluble	Solid	300.0	99320
880-52757-5	CS-5 (2.0')	Soluble	Solid	300.0	99320
880-52757-6	CS-6 (3.0')	Soluble	Solid	300.0	99320
880-52757-7	CS-7 (3.0')	Soluble	Solid	300.0	99320
880-52757-8	CS-8 (3.0')	Soluble	Solid	300.0	99320
880-52757-9	CS-9 (3.0')	Soluble	Solid	300.0	99320
880-52757-10	CS-10 (10.0')	Soluble	Solid	300.0	99320
880-52757-11	SW-1 (2.0')	Soluble	Solid	300.0	99320
880-52757-12	SW-2 (2.0')	Soluble	Solid	300.0	99320
880-52757-13	SW-3 (2.0')	Soluble	Solid	300.0	99320
880-52757-14	SW-4 (3.0')	Soluble	Solid	300.0	99320
880-52757-15	SW-5 (3.0')	Soluble	Solid	300.0	99320
880-52757-16	SW-6 (3.0')	Soluble	Solid	300.0	99320
880-52757-17	SW-7 (7.0')	Soluble	Solid	300.0	99320
880-52757-18	SW-8 (8.0')	Soluble	Solid	300.0	99320
880-52757-19	SW-9 (10.0')	Soluble	Solid	300.0	99320
880-52757-20	SW-10 (10.0')	Soluble	Solid	300.0	99320
MB 880-99320/1-A	Method Blank	Soluble	Solid	300.0	99320
LCS 880-99320/2-A	Lab Control Sample	Soluble	Solid	300.0	99320
LCSD 880-99320/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	99320
880-52757-1 MS	CS-1 (2.0')	Soluble	Solid	300.0	99320
880-52757-1 MSD	CS-1 (2.0')	Soluble	Solid	300.0	99320
880-52757-11 MS	SW-1 (2.0')	Soluble	Solid	300.0	99320
880-52757-11 MSD	SW-1 (2.0')	Soluble	Solid	300.0	99320

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

Client Sample ID: CS-1 (2.0')

Lab Sample ID: 880-52757-1

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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	98971	01/02/25 12:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99258	01/02/25 14:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99345	01/02/25 14:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			99393	01/02/25 18:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	99318	01/02/25 12:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99294	01/02/25 18:36	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	99320	01/02/25 13:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99331	01/02/25 15:30	SMC	EET MID

Client Sample ID: CS-2 (2.0')

Lab Sample ID: 880-52757-2

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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	98971	01/02/25 12:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99258	01/02/25 14:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99345	01/02/25 14:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			99393	01/02/25 19:19	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	99318	01/02/25 12:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99294	01/02/25 19:19	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	99320	01/02/25 13:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99331	01/02/25 15:49	SMC	EET MID

Client Sample ID: CS-3 (2.0')

Lab Sample ID: 880-52757-3

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

Prep 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	98971	01/02/25 12:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99258	01/02/25 14:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99345	01/02/25 14:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			99393	01/02/25 19:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	99318	01/02/25 12:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99294	01/02/25 19:34	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	99320	01/02/25 13:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99331	01/02/25 15:54	SMC	EET MID

Client Sample ID: CS-4 (2.0')

Lab Sample ID: 880-52757-4

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

Prep 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	98971	01/02/25 12:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99258	01/02/25 15:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99345	01/02/25 15:05	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

Client Sample ID: CS-4 (2.0')

Lab Sample ID: 880-52757-4

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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			99393	01/02/25 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	99318	01/02/25 12:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99294	01/02/25 19:48	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	99320	01/02/25 13:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99331	01/02/25 16:00	SMC	EET MID

Client Sample ID: CS-5 (2.0')

Lab Sample ID: 880-52757-5

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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	98971	01/02/25 12:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99258	01/02/25 16:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99345	01/02/25 16:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			99393	01/02/25 20:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	99318	01/02/25 12:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99294	01/02/25 20:03	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	99320	01/02/25 13:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99331	01/02/25 16:06	SMC	EET MID

Client Sample ID: CS-6 (3.0')

Lab Sample ID: 880-52757-6

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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	98971	01/02/25 12:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99258	01/02/25 16:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99345	01/02/25 16:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			99393	01/02/25 20:19	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	99318	01/02/25 12:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99294	01/02/25 20:19	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	99320	01/02/25 13:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99331	01/02/25 16:24	SMC	EET MID

Client Sample ID: CS-7 (3.0')

Lab Sample ID: 880-52757-7

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

Prep 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	98971	01/02/25 12:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99258	01/02/25 17:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99345	01/02/25 17:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			99393	01/02/25 20:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	99318	01/02/25 12:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99294	01/02/25 20:33	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

Client Sample ID: CS-7 (3.0')

Lab Sample ID: 880-52757-7

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	99320	01/02/25 13:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99331	01/02/25 16:30	SMC	EET MID

Client Sample ID: CS-8 (3.0')

Lab Sample ID: 880-52757-8

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

Prep 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	98971	01/02/25 12:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99258	01/02/25 17:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99345	01/02/25 17:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			99393	01/02/25 20:50	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	99318	01/02/25 12:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99294	01/02/25 20:50	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	99320	01/02/25 13:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99331	01/02/25 16:36	SMC	EET MID

Client Sample ID: CS-9 (3.0')

Lab Sample ID: 880-52757-9

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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	98971	01/02/25 12:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99258	01/02/25 18:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99345	01/02/25 18:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			99393	01/02/25 21:04	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	99318	01/02/25 12:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99294	01/02/25 21:04	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	99320	01/02/25 13:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99331	01/02/25 16:42	SMC	EET MID

Client Sample ID: CS-10 (10.0')

Lab Sample ID: 880-52757-10

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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	98971	01/02/25 12:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99258	01/02/25 18:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99345	01/02/25 18:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			99393	01/02/25 21:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	99318	01/02/25 12:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99294	01/02/25 21:20	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	99320	01/02/25 13:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99331	01/02/25 16:48	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

Client Sample ID: SW-1 (2.0')

Lab Sample ID: 880-52757-11

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

Prep 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	98971	01/02/25 12:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99258	01/02/25 18:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99345	01/02/25 18:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			99393	01/02/25 21:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	99318	01/02/25 12:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99294	01/02/25 21:50	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	99320	01/02/25 13:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99331	01/02/25 16:53	SMC	EET MID

Client Sample ID: SW-2 (2.0')

Lab Sample ID: 880-52757-12

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

Prep 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	98971	01/02/25 12:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99258	01/02/25 19:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99345	01/02/25 19:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			99393	01/02/25 22:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	99318	01/02/25 12:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99294	01/02/25 22:04	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	99320	01/02/25 13:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99331	01/02/25 17:11	SMC	EET MID

Client Sample ID: SW-3 (2.0')

Lab Sample ID: 880-52757-13

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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	98971	01/02/25 12:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99258	01/02/25 19:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99345	01/02/25 19:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			99393	01/02/25 22:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	99318	01/02/25 12:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99294	01/02/25 22:19	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	99320	01/02/25 13:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99331	01/02/25 17:17	SMC	EET MID

Client Sample ID: SW-4 (3.0')

Lab Sample ID: 880-52757-14

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	98971	01/02/25 12:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99258	01/02/25 19:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99345	01/02/25 19:43	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

Client Sample ID: SW-4 (3.0')

Lab Sample ID: 880-52757-14

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

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			99393	01/02/25 22:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	99318	01/02/25 12:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99294	01/02/25 22:34	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	99320	01/02/25 13:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99331	01/02/25 17:35	SMC	EET MID

Client Sample ID: SW-5 (3.0')

Lab Sample ID: 880-52757-15

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

Prep 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	99268	01/02/25 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99256	01/02/25 14:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99345	01/02/25 14:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			99393	01/02/25 22:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	99318	01/02/25 12:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99294	01/02/25 22:48	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	99320	01/02/25 13:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99331	01/02/25 17:41	SMC	EET MID

Client Sample ID: SW-6 (3.0')

Lab Sample ID: 880-52757-16

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

Prep 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	99268	01/02/25 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99256	01/02/25 14:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99345	01/02/25 14:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			99393	01/02/25 23:03	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	99318	01/02/25 12:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99294	01/02/25 23:03	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	99320	01/02/25 13:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99331	01/02/25 17:46	SMC	EET MID

Client Sample ID: SW-7 (7.0')

Lab Sample ID: 880-52757-17

Date Collected: 01/01/25 00:00

Matrix: Solid

Date Received: 01/02/25 12:01

Prep 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	99268	01/02/25 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99256	01/02/25 14:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99345	01/02/25 14:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			99393	01/02/25 23:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	99318	01/02/25 12:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99294	01/02/25 23:18	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

Client Sample ID: SW-7 (7.0')**Lab Sample ID: 880-52757-17****Date Collected: 01/01/25 00:00****Matrix: Solid****Date Received: 01/02/25 12:01**

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	99320	01/02/25 13:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99331	01/02/25 17:52	SMC	EET MID

Client Sample ID: SW-8 (8.0')**Lab Sample ID: 880-52757-18****Date Collected: 01/01/25 00:00****Matrix: Solid****Date Received: 01/02/25 12:01**

Prep 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	99268	01/02/25 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99256	01/02/25 16:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99345	01/02/25 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			99393	01/02/25 23:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	99318	01/02/25 12:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99294	01/02/25 23:34	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	99320	01/02/25 13:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99331	01/02/25 17:58	SMC	EET MID

Client Sample ID: SW-9 (10.0')**Lab Sample ID: 880-52757-19****Date Collected: 01/01/25 00:00****Matrix: Solid****Date Received: 01/02/25 12:01**

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	99268	01/02/25 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99256	01/02/25 16:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99345	01/02/25 16:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			99393	01/02/25 23:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	99318	01/02/25 12:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99294	01/02/25 23:48	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	99320	01/02/25 13:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99331	01/02/25 18:04	SMC	EET MID

Client Sample ID: SW-10 (10.0')**Lab Sample ID: 880-52757-20****Date Collected: 01/01/25 00:00****Matrix: Solid****Date Received: 01/02/25 12:01**

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	99268	01/02/25 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99256	01/02/25 16:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99345	01/02/25 16:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			99393	01/03/25 00:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	99318	01/02/25 12:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99294	01/03/25 00:05	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	99320	01/02/25 13:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99331	01/02/25 18:10	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
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: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
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: Wild Cap 3 (11.10.24)

Job ID: 880-52757-1
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-52757-1	CS-1 (2.0')	Solid	01/01/25 00:00	01/02/25 12:01
880-52757-2	CS-2 (2.0')	Solid	01/01/25 00:00	01/02/25 12:01
880-52757-3	CS-3 (2.0')	Solid	01/01/25 00:00	01/02/25 12:01
880-52757-4	CS-4 (2.0')	Solid	01/01/25 00:00	01/02/25 12:01
880-52757-5	CS-5 (2.0')	Solid	01/01/25 00:00	01/02/25 12:01
880-52757-6	CS-6 (3.0')	Solid	01/01/25 00:00	01/02/25 12:01
880-52757-7	CS-7 (3.0')	Solid	01/01/25 00:00	01/02/25 12:01
880-52757-8	CS-8 (3.0')	Solid	01/01/25 00:00	01/02/25 12:01
880-52757-9	CS-9 (3.0')	Solid	01/01/25 00:00	01/02/25 12:01
880-52757-10	CS-10 (10.0')	Solid	01/01/25 00:00	01/02/25 12:01
880-52757-11	SW-1 (2.0')	Solid	01/01/25 00:00	01/02/25 12:01
880-52757-12	SW-2 (2.0')	Solid	01/01/25 00:00	01/02/25 12:01
880-52757-13	SW-3 (2.0')	Solid	01/01/25 00:00	01/02/25 12:01
880-52757-14	SW-4 (3.0')	Solid	01/01/25 00:00	01/02/25 12:01
880-52757-15	SW-5 (3.0')	Solid	01/01/25 00:00	01/02/25 12:01
880-52757-16	SW-6 (3.0')	Solid	01/01/25 00:00	01/02/25 12:01
880-52757-17	SW-7 (7.0')	Solid	01/01/25 00:00	01/02/25 12:01
880-52757-18	SW-8 (8.0')	Solid	01/01/25 00:00	01/02/25 12:01
880-52757-19	SW-9 (10.0')	Solid	01/01/25 00:00	01/02/25 12:01
880-52757-20	SW-10 (10.0')	Solid	01/01/25 00:00	01/02/25 12:01

Chain of Custody



880-52757 Chain of Custody

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Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other: _____

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

Project Name:		Wild Cap 3 (11.10.24)		Turn Around		ANALYSIS REQUEST												Preservative Codes									
Project Number:		2587		☐ Routine ☒ Rush														None: NO DI Water: H ₂ O									
Project Location		Eddy County, New Mexico		Due Date:		24 Hour 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 loc:		Yes		No		H ₃ PO ₄ : HP											
Received Intact:				Yes		No		Thermometer ID:				120				NaHSO ₄ : NABIS											
Cooler Custody Seals:				Yes		No		Correction Factor:				-0.1				Na ₂ S ₂ O ₃ : NaSO ₃											
Sample Custody Seals:				Yes		No		Temperature Reading:				-1.3				Zn Acetate+NaOH: Zn											
Total Containers:								Corrected Temperature:				-1.4				NaOH+Ascorbic Acid: SAPC											
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont		BTEX 8021B		TPH 8015M (GRO + DRO + MRO)		Chloride 300.0								Sample Comments	
CS-1 (2.0')		1/1/2025				X				Comp		1		X		X		X									
CS-2 (2.0')		1/1/2025				X				Comp		1		X		X		X									
CS-3 (2.0')		1/1/2025				X				Comp		1		X		X		X									
CS-4 (2.0')		1/1/2025				X				Comp		1		X		X		X									
CS-5 (2.0')		1/1/2025				X				Comp		1		X		X		X									
CS-6 (3.0')		1/1/2025				X				Comp		1		X		X		X									
CS-7 (3.0')		1/1/2025				X				Comp		1		X		X		X									
CS-8 (3.0')		1/1/2025				X				Comp		1		X		X		X									
CS-9 (3.0')		1/1/2025				X				Comp		1		X		X		X									
CS-10 (10')		1/1/2025				X				Comp		1		X		X		X									

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Commings	11/2/25	[Signature]	11/2/25
			12/1

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Chain of Custody

Work Order No: _____

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: mcarmona@camronaresources.com			

Project Name: Wild Cap 3 (11.10.24)		Turn Around		Pres. Code		ANALYSIS REQUEST		Preservative Codes	
Project Number: 2587		☐ Routine ☒ Rush						None: NO DI Water: H ₂ O	
Project Location: Eddy County, New Mexico		Due Date: 24 Hour 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				H ₃ PO ₄ : HP	
Received Intact:		Yes No		Thermometer ID:				NaHSO ₄ : NABIS	
Cooler Custody Seals:		Yes No N/A		Correction Factor:				Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:		Yes No N/A		Temperature Reading:				Zn Acetate+NaOH: Zn	
Total Containers:				Corrected Temperature:				NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	Parameters	# of Cont	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
SW-1 (2.0')	1/1/2025		X		Comp		1	X	X	
SW-2 (2.0')	1/1/2025		X		Comp		1	X	X	
SW-3 (2.0')	1/1/2025		X		Comp		1	X	X	
SW-4 (3.0')	1/1/2025		X		Comp		1	X	X	
SW-5 (3.0')	1/1/2025		X		Comp		1	X	X	
SW-6 (3.0')	1/1/2025		X		Comp		1	X	X	
SW-7 (7')	1/1/2025		X		Comp		1	X	X	
SW-8 (8')	1/1/2025		X		Comp		1	X	X	
SW-9 (10')	1/1/2025		X		Comp		1	X	X	
SW-10 (10')	1/1/2025		X		Comp		1	X	X	

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

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
Conner Moehring		1/2/25		J. Moehring			

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-52757-1

SDG Number: Eddy County NM

Login Number: 52757

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	



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ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/13/2025 8:29:07 AM

JOB DESCRIPTION

Gin to Tectonic Federal 50 CTB
Lea County, New Mexico

JOB NUMBER

880-54300-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
2/13/2025 8:29:07 AM

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

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Laboratory Job ID: 880-54300-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1

Job ID: 880-54300-1

Eurofins Midland

Job Narrative 880-54300-1

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

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

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

Receipt

The sample was received on 2/11/2025 10:00 AM. 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 -2.4°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: Backfill Sample (Lea Land) (880-54300-1).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-102438 and analytical batch 880-102536 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
SDG: Lea County, New Mexico

Client Sample ID: Backfill Sample (Lea Land)

Lab Sample ID: 880-54300-1

Date Collected: 02/10/25 00:00

Matrix: Solid

Date Received: 02/11/25 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:39	02/11/25 18:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:39	02/11/25 18:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:39	02/11/25 18:02	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/11/25 10:39	02/11/25 18:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/25 10:39	02/11/25 18:02	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/11/25 10:39	02/11/25 18:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	02/11/25 10:39	02/11/25 18:02	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/11/25 10:39	02/11/25 18:02	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			02/11/25 18:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/13/25 01:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/11/25 09:16	02/13/25 01:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/11/25 09:16	02/13/25 01:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/11/25 09:16	02/13/25 01:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	02/11/25 09:16	02/13/25 01:11	1
o-Terphenyl	111		70 - 130	02/11/25 09:16	02/13/25 01:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	228		9.96		mg/Kg			02/11/25 22:45	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-54285-A-1-A MS	Matrix Spike	102	93
880-54285-A-1-B MSD	Matrix Spike Duplicate	100	96
880-54300-1	Backfill Sample (Lea Land)	90	100
LCS 880-102443/1-A	Lab Control Sample	124	103
LCSD 880-102443/2-A	Lab Control Sample Dup	122	103
MB 880-102443/5-A	Method Blank	203 S1+	119
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)
880-54279-A-1-H MS	Matrix Spike	88	87
880-54279-A-1-I MSD	Matrix Spike Duplicate	84	81
880-54300-1	Backfill Sample (Lea Land)	108	111
LCS 880-102438/2-A	Lab Control Sample	102	93
LCSD 880-102438/3-A	Lab Control Sample Dup	96	89
MB 880-102438/1-A	Method Blank	116	117
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-102443/5-A

Matrix: Solid

Analysis Batch: 102430

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102443

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/25 09:45	02/11/25 11:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/25 09:45	02/11/25 11:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/25 09:45	02/11/25 11:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/11/25 09:45	02/11/25 11:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/25 09:45	02/11/25 11:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/11/25 09:45	02/11/25 11:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	203	S1+	70 - 130	02/11/25 09:45	02/11/25 11:49	1
1,4-Difluorobenzene (Surr)	119		70 - 130	02/11/25 09:45	02/11/25 11:49	1

Lab Sample ID: LCS 880-102443/1-A

Matrix: Solid

Analysis Batch: 102430

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102443

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09717		mg/Kg		97	70 - 130
Toluene	0.100	0.1024		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1052		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2392		mg/Kg		120	70 - 130
o-Xylene	0.100	0.1176		mg/Kg		118	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-102443/2-A

Matrix: Solid

Analysis Batch: 102430

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102443

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08705		mg/Kg		87	70 - 130	11	35
Toluene	0.100	0.09154		mg/Kg		92	70 - 130	11	35
Ethylbenzene	0.100	0.09016		mg/Kg		90	70 - 130	15	35
m-Xylene & p-Xylene	0.200	0.2140		mg/Kg		107	70 - 130	11	35
o-Xylene	0.100	0.1085		mg/Kg		109	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-54285-A-1-A MS

Matrix: Solid

Analysis Batch: 102430

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 102443

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.08083		mg/Kg		81	70 - 130
Toluene	<0.00200	U F1	0.0998	0.07610		mg/Kg		76	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-54285-A-1-A MS

Matrix: Solid

Analysis Batch: 102430

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 102443

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F1	0.0998	0.05442	F1	mg/Kg		55	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.200	0.1281	F1	mg/Kg		62	70 - 130
o-Xylene	<0.00200	U F1	0.0998	0.06362	F1	mg/Kg		64	70 - 130
Surrogate	%Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	102		70 - 130						
1,4-Difluorobenzene (Surr)	93		70 - 130						

Lab Sample ID: 880-54285-A-1-B MSD

Matrix: Solid

Analysis Batch: 102430

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 102443

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.07061		mg/Kg		71	70 - 130	13	35
Toluene	<0.00200	U F1	0.0996	0.06183	F1	mg/Kg		62	70 - 130	21	35
Ethylbenzene	<0.00200	U F1	0.0996	0.04800	F1	mg/Kg		48	70 - 130	13	35
m-Xylene & p-Xylene	<0.00401	U F1	0.199	0.1012	F1	mg/Kg		49	70 - 130	23	35
o-Xylene	<0.00200	U F1	0.0996	0.04824	F1	mg/Kg		48	70 - 130	28	35
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	100		70 - 130								
1,4-Difluorobenzene (Surr)	96		70 - 130								

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

Lab Sample ID: MB 880-102438/1-A

Matrix: Solid

Analysis Batch: 102536

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102438

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/11/25 09:16	02/12/25 19:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/11/25 09:16	02/12/25 19:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/11/25 09:16	02/12/25 19:04	1
Surrogate	%Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				02/11/25 09:16	02/12/25 19:04	1
o-Terphenyl	117		70 - 130				02/11/25 09:16	02/12/25 19:04	1

Lab Sample ID: LCS 880-102438/2-A

Matrix: Solid

Analysis Batch: 102536

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102438

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	989.4		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	995.6		mg/Kg		100	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-102438/2-A

Matrix: Solid

Analysis Batch: 102536

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102438

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: LCSD 880-102438/3-A

Matrix: Solid

Analysis Batch: 102536

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102438

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1034		mg/Kg		103	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1012		mg/Kg		101	70 - 130	2	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: 880-54279-A-1-H MS

Matrix: Solid

Analysis Batch: 102536

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 102438

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	997	951.5		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	771.2		mg/Kg		76	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	87		70 - 130

Lab Sample ID: 880-54279-A-1-I MSD

Matrix: Solid

Analysis Batch: 102536

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 102438

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	997	736.5	F2	mg/Kg		70	70 - 130	25	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	731.8		mg/Kg		72	70 - 130	5	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	81		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-102503/1-A

Matrix: Solid

Analysis Batch: 102505

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/11/25 22:26	1

Lab Sample ID: LCS 880-102503/2-A

Matrix: Solid

Analysis Batch: 102505

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.7		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-102503/3-A

Matrix: Solid

Analysis Batch: 102505

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	258.2		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-54300-1 MS

Matrix: Solid

Analysis Batch: 102505

Client Sample ID: Backfill Sample (Lea Land)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	228		249	498.4		mg/Kg		108	90 - 110

Lab Sample ID: 880-54300-1 MSD

Matrix: Solid

Analysis Batch: 102505

Client Sample ID: Backfill Sample (Lea Land)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	228		249	499.8		mg/Kg		109	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 102430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54300-1	Backfill Sample (Lea Land)	Total/NA	Solid	8021B	102443
MB 880-102443/5-A	Method Blank	Total/NA	Solid	8021B	102443
LCS 880-102443/1-A	Lab Control Sample	Total/NA	Solid	8021B	102443
LCSD 880-102443/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	102443
880-54285-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	102443
880-54285-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	102443

Prep Batch: 102443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54300-1	Backfill Sample (Lea Land)	Total/NA	Solid	5035	
MB 880-102443/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-102443/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-102443/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-54285-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-54285-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 102601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54300-1	Backfill Sample (Lea Land)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 102438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54300-1	Backfill Sample (Lea Land)	Total/NA	Solid	8015NM Prep	
MB 880-102438/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-102438/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-102438/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-54279-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-54279-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 102536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54300-1	Backfill Sample (Lea Land)	Total/NA	Solid	8015B NM	102438
MB 880-102438/1-A	Method Blank	Total/NA	Solid	8015B NM	102438
LCS 880-102438/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	102438
LCSD 880-102438/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	102438
880-54279-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	102438
880-54279-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	102438

Analysis Batch: 102683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54300-1	Backfill Sample (Lea Land)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 102503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54300-1	Backfill Sample (Lea Land)	Soluble	Solid	DI Leach	
MB 880-102503/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-102503/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-102503/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 102503 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54300-1 MS	Backfill Sample (Lea Land)	Soluble	Solid	DI Leach	
880-54300-1 MSD	Backfill Sample (Lea Land)	Soluble	Solid	DI Leach	

Analysis Batch: 102505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54300-1	Backfill Sample (Lea Land)	Soluble	Solid	300.0	102503
MB 880-102503/1-A	Method Blank	Soluble	Solid	300.0	102503
LCS 880-102503/2-A	Lab Control Sample	Soluble	Solid	300.0	102503
LCSD 880-102503/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	102503
880-54300-1 MS	Backfill Sample (Lea Land)	Soluble	Solid	300.0	102503
880-54300-1 MSD	Backfill Sample (Lea Land)	Soluble	Solid	300.0	102503

Lab Chronicle

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
SDG: Lea County, New Mexico

Client Sample ID: Backfill Sample (Lea Land)
Date Collected: 02/10/25 00:00
Date Received: 02/11/25 10:00

Lab Sample ID: 880-54300-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	102443	02/11/25 10:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102430	02/11/25 18:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102601	02/11/25 18:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102683	02/13/25 01:11	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	102438	02/11/25 09:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102536	02/13/25 01:11	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	102503	02/11/25 14:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102505	02/11/25 22:45	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Gin to Tectonic Federal 50 CTB

Job ID: 880-54300-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-54300-1	Backfill Sample (Lea Land)	Solid	02/10/25 00:00	02/11/25 10:00

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



880-54300 Chain of Custody

Page 1 of 1

Chain of Custody

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: Gin to Tectonic Federal 50 CTB		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes			
Project Number: 2553		☐ Routine ☒ Rush		Due Date: 24 Hours		Parameters		BTX 8021B												None: NO	
Project Location: Lea County, New Mexico		Temp Blank: Yes No		Wet Ice: Yes No		Thermometer ID: Yes No		TPH 8015M (GRO + DRO + MRO)												Cool: Cool	
Sampler's Name: JR		Cooler Custody Seals: Yes No		Correction Factor: Yes No		Temperature Reading: Yes No		Chloride 300.0												HCL: HC	
PO #:		Sample Custody Seals: Yes No		Corrected Temperature: Yes No		# of Cont		X												H ₂ SO ₄ : H ₂	

SAMPLE RECEIPT		Temp Blank: Yes No		Wet Ice: Yes No		Thermometer ID: Yes No		Cooler Custody Seals: Yes No		Correction Factor: Yes No		Temperature Reading: Yes No		Corrected Temperature: Yes No		# of Cont		ANALYSIS REQUEST												Preservative Codes	
Received Intact: Yes No		Temp Blank: Yes No		Wet Ice: Yes No		Thermometer ID: Yes No		Cooler Custody Seals: Yes No		Correction Factor: Yes No		Temperature Reading: Yes No		Corrected Temperature: Yes No		# of Cont		BTX 8021B												None: NO	
Cooler Custody Seals: Yes No		Temp Blank: Yes No		Wet Ice: Yes No		Thermometer ID: Yes No		Correction Factor: Yes No		Temperature Reading: Yes No		Corrected Temperature: Yes No		# of Cont		TPH 8015M (GRO + DRO + MRO)												Cool: Cool			
Sample Custody Seals: Yes No		Temp Blank: Yes No		Wet Ice: Yes No		Thermometer ID: Yes No		Correction Factor: Yes No		Temperature Reading: Yes No		Corrected Temperature: Yes No		# of Cont		Chloride 300.0												HCL: HC			
Total Containers:		Temp Blank: Yes No		Wet Ice: Yes No		Thermometer ID: Yes No		Correction Factor: Yes No		Temperature Reading: Yes No		Corrected Temperature: Yes No		# of Cont		X												H ₂ SO ₄ : H ₂			

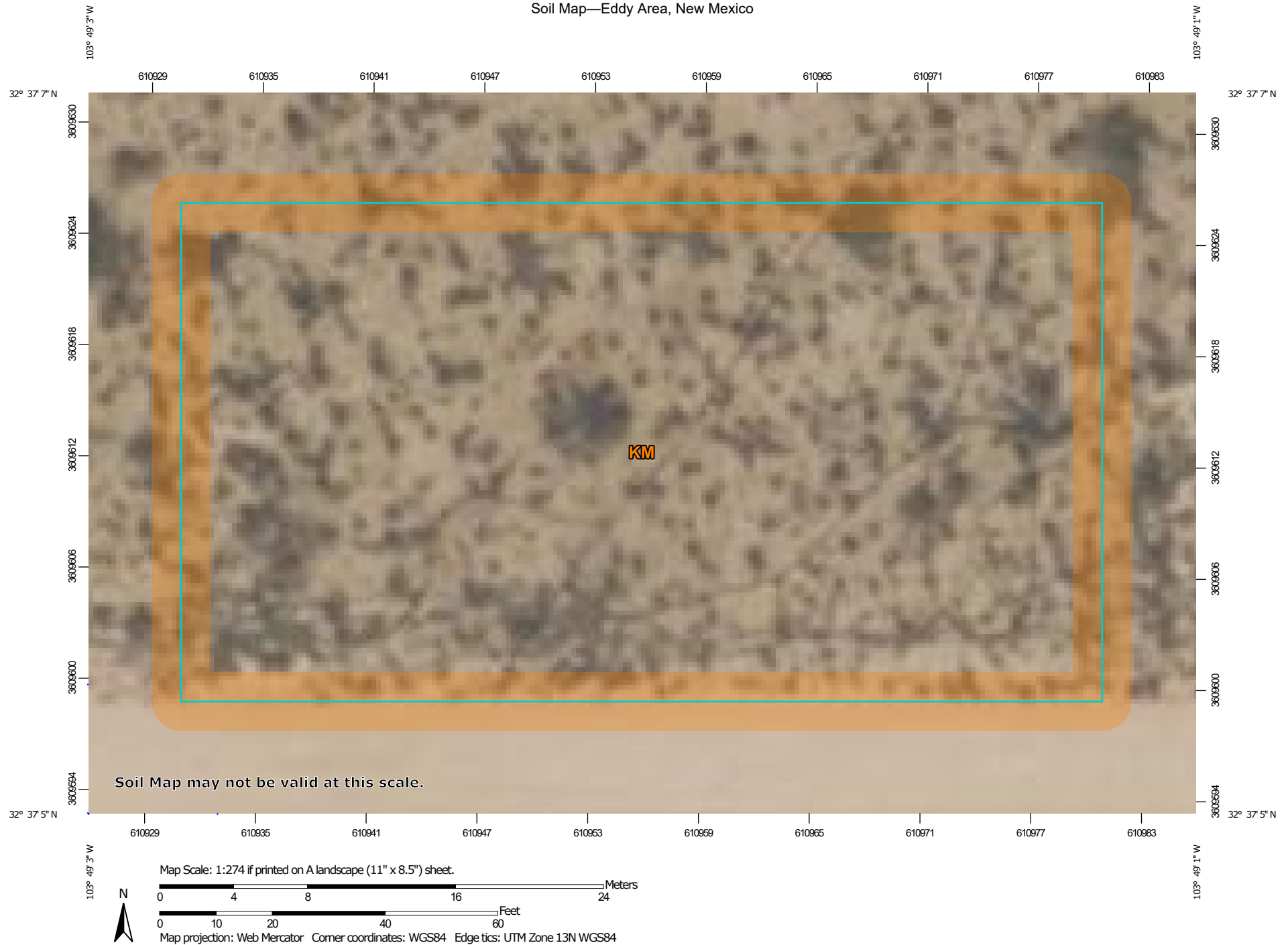
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont		ANALYSIS REQUEST												Preservative Codes	
Backfill Sample (Lea Land)		2/10/2025				X				Comp		1		BTX 8021B												None: NO	
														TPH 8015M (GRO + DRO + MRO)												Cool: Cool	
														Chloride 300.0												HCL: HC	
														X												H ₂ SO ₄ : H ₂	
														BTX 8021B												None: NO	
														TPH 8015M (GRO + DRO + MRO)												Cool: Cool	
														Chloride 300.0												HCL: HC	
														X												H ₂ SO ₄ : H ₂	
														BTX 8021B												None: NO	
														TPH 8015M (GRO + DRO + MRO)												Cool: Cool	
														Chloride 300.0												HCL: HC	
														X												H ₂ SO ₄ : H ₂	
														BTX 8021B												None: NO	
														TPH 8015M (GRO + DRO + MRO)												Cool: Cool	
														Chloride 300.0												HCL: HC	
														X												H ₂ SO ₄ : H ₂	
														BTX 8021B												None: NO	
														TPH 8015M (GRO + DRO + MRO)												Cool: Cool	
														Chloride 300.0												HCL: HC	
														X												H ₂ SO ₄ : H ₂	
														BTX 8021B												None: NO	
														TPH 8015M (GRO + DRO + MRO)												Cool: Cool	
														Chloride 300.0												HCL: HC	
														X												H ₂ SO ₄ : H ₂	
														BTX 8021B												None: NO	
														TPH 8015M (GRO + DRO + MRO)												Cool: Cool	
														Chloride 300.0												HCL: HC	
														X												H ₂ SO ₄ : H ₂	
														BTX 8021B												None: NO	

APPENDIX F

CARMONA RESOURCES



Soil Map—Eddy Area, New Mexico



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

1/16/2025
Page 1 of 3

Soil Map—Eddy Area, New Mexico

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 20, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

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
KM	Kermit-Berino fine sands, 0 to 3 percent slopes	0.3	100.0%
Totals for Area of Interest		0.3	100.0%

Map Unit Description: Kermit-Berino fine sands, 0 to 3 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

KM—Kermit-Berino fine sands, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4q

Elevation: 3,100 to 4,200 feet

Mean annual precipitation: 10 to 14 inches

Mean annual air temperature: 60 to 64 degrees F

Frost-free period: 190 to 230 days

Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 50 percent

Berino and similar soils: 35 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kermit

Setting

Landform: Plains, alluvial fans

Landform position (three-dimensional): Talf, rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 7 inches: fine sand

H2 - 7 to 60 inches: fine sand

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Excessively drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: A

Ecological site: R070BD005NM - Deep Sand

Hydric soil rating: No

Map Unit Description: Kermit-Berino fine sands, 0 to 3 percent slopes---Eddy Area, New Mexico

Description of Berino

Setting

Landform: Plains, fan piedmonts
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand
H2 - 17 to 50 inches: fine sandy loam
H3 - 50 to 58 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 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: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Active dune land

Percent of map unit: 15 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 20, Sep 3, 2024

NMSLO Seed Mix**Sandy (S)****SANDY (S) SITES SEED MIXTURE:**

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
Grasses:			
Sand bluestem	Elida, VNS, So.	2.0	F
Little bluestem	Cimarron, Pastura	3.0	F
Black grama	VNS, Southern	1.0	D
Sand dropseed	VNS, Southern	4.0	S
Plains bristlegrass	VNS, Southern	2.0	D
Forbs:			
Firewheel (Gaillardia)	VNS, Southern	1.0	D
Annual Sunflower	VNS, Southern	1.0	D
Shrubs:			
Fourwing Saltbush	VNS, Southern	1.0	F
Total PLS/acre		16.0	

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box
VNS = Variety Not Stated, PLS = Pure Live Seed

- Seed mixes should be provided in bags separating seed types into the three categories: small (S), standard (D) and fluffy (F).
- VNS, Southern – Seed should be from a southern latitude collection of this species.
- Double seed application rate for broadcast or hydroseeding.
- If one species is not available, contact the SLO for an approved substitute; alternatively the SLO may require other species proportionately increased.
- Additional information on these seed species can be found on the USDA Plants Database website at <http://plants.usda.gov>.



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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 436569

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 436569
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2434741266
Incident Name	NAPP2434741266 WILD CAP STATE COM 003H @ 0
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received
Incident Facility	[fAPP2203530446] WILD CAP STATE #3H BATTERY

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Wild Cap State Com 003H
Date Release Discovered	11/10/2024
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 5 BBL Recovered: 0 BBL Lost: 5 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 436569

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 436569
	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)	More info needed to determine if this will be treated as 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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 12/12/2024
--	--

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QUESTIONS, Page 3

Action 436569

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 436569
	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	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<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)	10700
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	12/30/2024
On what date will (or did) the final sampling or liner inspection occur	01/01/2025
On what date will (or was) the remediation complete(d)	02/04/2025
What is the estimated surface area (in square feet) that will be reclaimed	1610
What is the estimated volume (in cubic yards) that will be reclaimed	180
What is the estimated surface area (in square feet) that will be remediated	1610
What is the estimated volume (in cubic yards) that will be remediated	180
<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 436569

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 436569
	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	LEA LAND LANDFILL [FEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 02/27/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 436569

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 436569
	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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QUESTIONS, Page 6

Action 436569

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 436569
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	415698
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/01/2025
What was the (estimated) number of samples that were to be gathered	20
What was the sampling surface area in square feet	1610

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	1610
What was the total volume (cubic yards) remediated	180
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	1610
What was the total volume (in cubic yards) reclaimed	180
Summarize any additional remediation activities not included by answers (above)	Area was reseeded with NMSLO - Sandy Seed Mix and an ARCH survey was completed prior to the excavation to follow the NMSLO.
<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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 02/27/2025

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<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 7

Action 436569

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 436569
	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	1610
What was the total volume of replacement material (in cubic yards) for this site	180
<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 reseedling commence(d)	02/04/2025
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 reseedling 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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 02/27/2025

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

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QUESTIONS, Page 8

Action 436569

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 436569
	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 436569

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 436569
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Reclamation/Remediation Closure Report for Incident #NAPP2434741266 WILD CAP STATE COM 003H, thank you. This Reclamation/Remediation Closure Report is approved.	2/28/2025