



SITE INFORMATION

Closure Report
Eider 35 Federal 501H
Incident ID: nAPP2529058701
Lea County, New Mexico
Unit N Sec 35 T24S R32E
32.167869°, -103.649094°

Crude Oil Release
Point of Release: Human Error
Release Date: 10/17/2025
Volume Released: 2 Barrels of Crude Oil
Volume Recovered: 0 Barrels of Crude Oil

CARMONA RESOURCES



Prepared for:
COG Production, LLC
600 W Illinois Ave
Midland, Texas 79701

Prepared by:
Carmona Resources, LLC
310 West Wall Street
Suite 500
Midland, Texas 79701

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

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January 7, 2026

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

Re: **Closure Report**
Eider 35 Federal 501H
Incident ID: nAPP2529058701
COG Production, LLC
Site Location: Unit N, S35, T24S, R32E
32.167869°, -103.649094 °
Lea County, New Mexico

To whom it may concern:

At the request of Concho Production, LLC (COG), Carmona Resources LLC has prepared this letter to document the site remediation conducted at the Eider 35 Federal 501H, located at 32.167869°, -103.649094° within Unit N, S35, T24S, R32E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notification of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on October 17, 2025, due to human error. The incident resulted in the release of approximately two (2) barrels of crude oil, with zero (0) barrels of crude oil recovered. The spill boundaries are shown in Figure 3. The Notification of Release and initial C-141 forms are attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is one known water source within a 0.50-mile radius of the location. The nearest Groundwater Determination Bore (GWDB) is located approximately 0.39 miles East of the site at 32.16721°, -103.64301°, and was drilled in 2021. The GWDB was drilled to 105 feet below ground surface (ft bgs) and did not have evidence of groundwater after 72 hours. A copy of the associated well log is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 1,000 mg/kg (GRO + DRO).
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- Chloride: 20,000 mg/kg.

4.0 Site Assessment Activities

Initial Assessment

On October 30, 2025, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of four (4) sample points (S-1 and S-4) and six (6) horizontal sample points (H-1 through H-6) were installed to total depths ranging from surface to 4' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas.



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

5.0 Remediation Activities

On December 2, 2025, Carmona Resources personnel were onsite to collect confirmation samples. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on November 24, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C. Twelve (12) confirmation floor samples (CS-1 through CS-12) were collected every 200 square feet to ensure the proper removal of the contaminated soils. Composite confirmation sidewall samples were not collected because no excavation was performed.

For chemical analysis, the soil samples were collected and placed into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas, in accordance with established chain-of-custody protocols. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E.

All final confirmation samples were below the regulatory requirements for TPH, BTEX, and Chlorides. Refer to Table 2. The confirmation sample locations are shown in Figure 4.

6.0 Conclusions

Based on the assessment and analytical data from the remediation, no further actions are required at the site. COG formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-6823.

Sincerely,

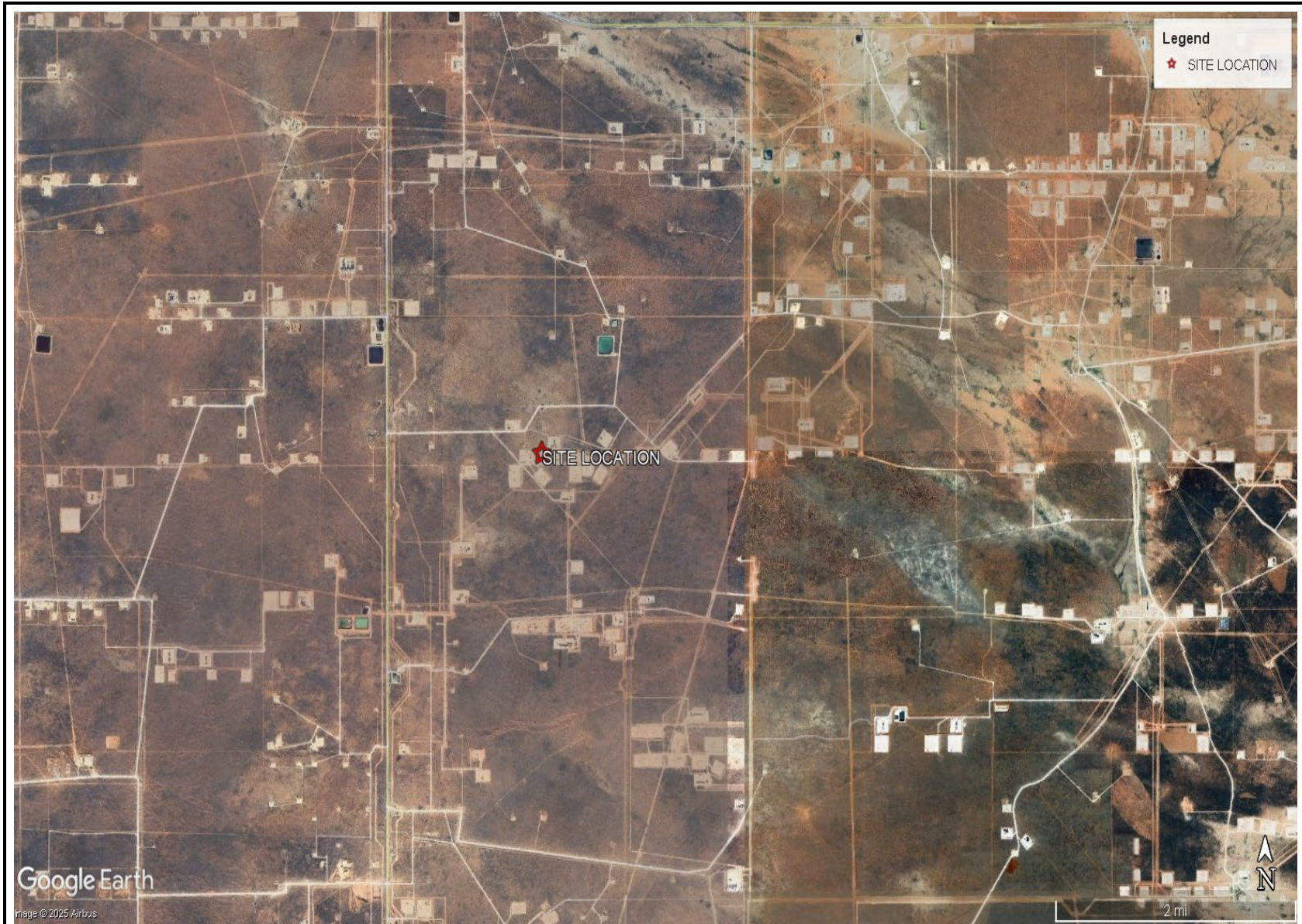
Carmona Resources, LLC

Conner Moehring
Environmental Manager

FIGURES

CARMONA RESOURCES

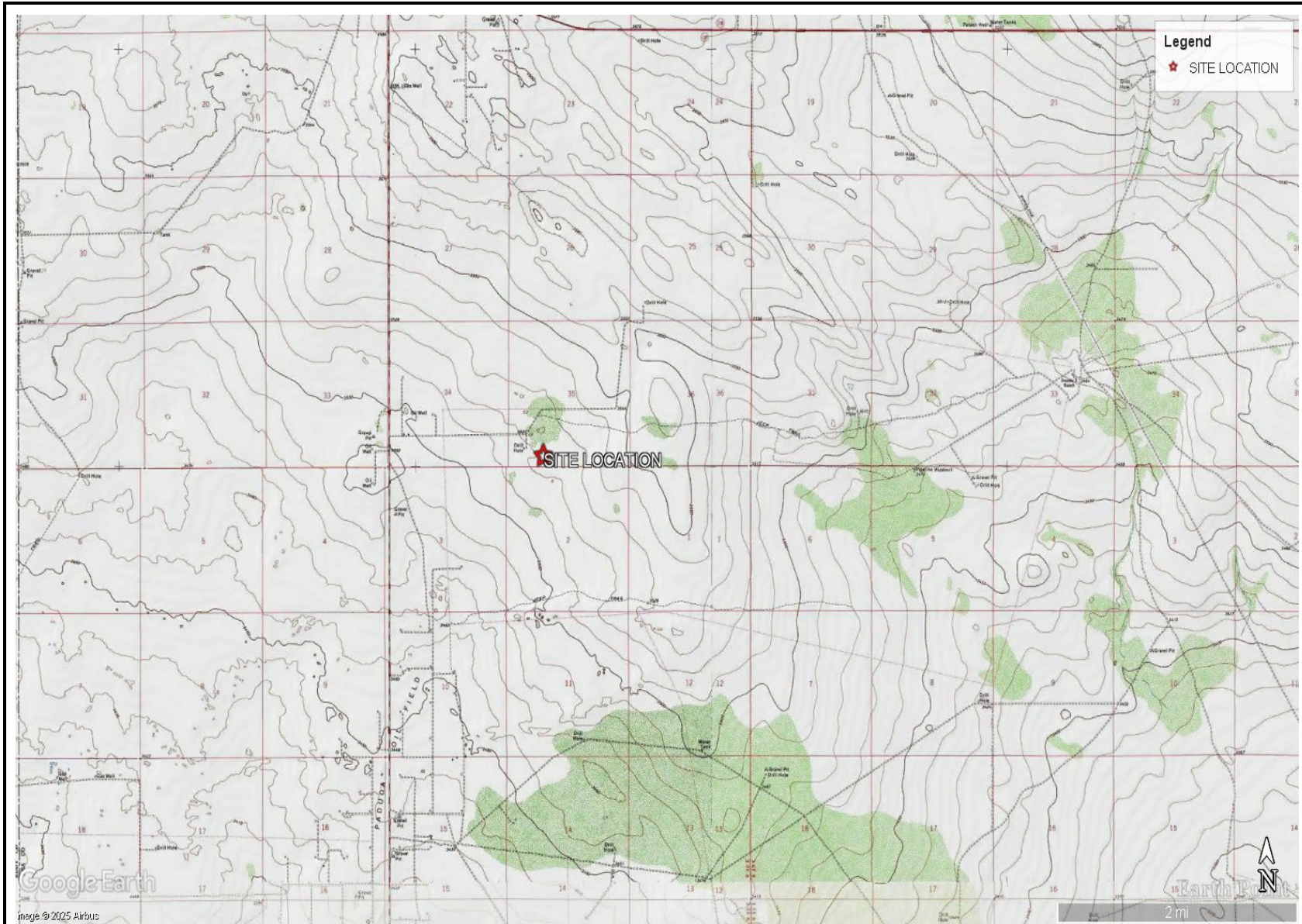




OVERVIEW MAP
COG PRODUCTION, LLC
EIDER 35 FEDERAL 501H (10.17.25)
LEA COUNTY, NEW MEXICO
32.167869°, -103.649094°



FIGURE 1



TOPOGRAPHIC MAP
COG PRODUCTION, LLC
EIDER 35 FEDERAL 501H (10.17.25)
LEA COUNTY, NEW MEXICO
32.167869°, -103.649094°



FIGURE 2




SAMPLE LOCATION MAP
COG PRODUCTION, LLC
EIDER 35 FEDERAL 501H (10.17.25)
LEA COUNTY, NEW MEXICO
32.167869°, -103.649094°



FIGURE 3



<p>CONFIRMATION SAMPLE MAP COG PRODUCTION, LLC EIDER 35 FEDERAL 501H (10.17.25) LEA COUNTY, NEW MEXICO 32.167869°, -103.649094°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 4</p>
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APPENDIX A

CARMONA RESOURCES



Table 1
COG Production, LLC
Eider 35 Federal 501H
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	10/30/2025	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	192
	"	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	157
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	122
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	135
	"	4'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	148
S-2	10/30/2025	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	211
	"	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	242
	"	2'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	125
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	122
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	99.3
S-3	10/30/2025	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	201
	"	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	169
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	118
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	118
	"	4'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	124
S-4	10/30/2025	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	225
	"	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	231
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	136
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	124
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	103
H-1	10/30/2025	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	180
H-2	10/30/2025	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	175
H-3	10/30/2025	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	168
H-4	10/30/2025	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	161
H-5	10/30/2025	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	171
H-6	10/30/2025	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	157
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 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

Table 2
COG Production, LLC
Eider 35 Federal 501H
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	12/2/2025	Surface	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	11.1
CS-2	12/2/2025	Surface	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	11.2
CS-3	12/2/2025	Surface	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	12.1
CS-4	12/2/2025	Surface	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	0.00233	<0.00398	<0.00398	12.7
CS-5	12/2/2025	Surface	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<9.94
CS-6	12/2/2025	Surface	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	11.4
CS-7	12/2/2025	Surface	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	17.5
CS-8	12/2/2025	Surface	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	10.4
CS-9	12/2/2025	Surface	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.6
CS-10	12/2/2025	Surface	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	10.6
CS-11	12/2/2025	Surface	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	10.9
CS-12	12/2/2025	Surface	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	12.8
Regulatory Criteria^A			1,000 mg/kg		2,500 mg/kg		10 mg/kg				50 mg/kg	20,000 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

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

COG Production, LLC

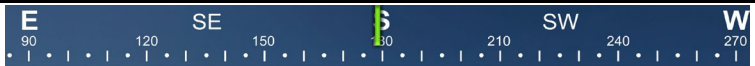
Photograph No. 1

Facility: Eider 35 Federal 501H (10.17.25)

County: Lea County, New Mexico

Description:

View South, area of sample points (1-4).



179°S (T) LAT: 32.167947 LON: -103.649101 ±9ft ▲ 3538ft



COP - Eider 35 Federal 501H
30 Oct 2025, 10:49:57 MDT

Photograph No. 2

Facility: Eider 35 Federal 501H (10.17.25)

County: Lea County, New Mexico

Description:

View Southeast, area of confirmation samples (1-12).



127°SE (T) LAT: 32.167966 LON: -103.649164 ±13ft ▲ 3530ft



Sampling
COP - Eider 35 Federal 501H
02 Dec 2025, 10:27:03

Photograph No. 3

Facility: Eider 35 Federal 501H (10.17.25)

County: Lea County, New Mexico

Description:

View East, area of confirmation samples (1-5).



73°E (T) LAT: 32.167942 LON: -103.649066 ±13ft ▲ 3509ft



Sampling
COP - Eider 35 Federal 501H
02 Dec 2025, 10:24:39

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 516718

QUESTIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 516718
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Eider 35 Federal 501H
Date Release Discovered	10/17/2025
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Other Pipeline (Any) Crude Oil Released: 2 BBL Recovered: 0 BBL Lost: 2 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
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)	Emergency services were notified to extinguish the fire. The release was confined to the well pad. The facility has been cleared by safety personnel.

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

QUESTIONS, Page 2

Action 516718

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 516718
	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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.

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	Emergency services were notified to extinguish the fire. The release was confined to the well pad. The facility has been cleared by safety personnel.

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

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

ACKNOWLEDGMENTS

Action 516718

ACKNOWLEDGMENTS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 516718
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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

CONDITIONS

Action 516718

CONDITIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 516718
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jlaird	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	10/17/2025

Known Volume (dropdown):	Percentage of Oil if Spilled Fluid is a Mixture (%.)		Known Volume of Spill (bbl.)		Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
	70% oil&water mix 30% Fire-				#VALUE!	#VALUE!
Known Area (dropdown):	Mapped Area (sq. ft.)	Average Depth (in.)	Percentage of Oil if Spilled Fluid is a Mixture (%.)	Total Estimated Volume of Spill (bbl.)	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
				0.0000	0.0000	0.0000

Spill Calculation - On-Pad Surface Pool Spill

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Average Depth (in.)	Estimated <u>Pool</u> Area (sq. ft.)	Estimated volume of each pool area (bbl.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture (%.)	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	33	9	0.8	297.00	1.32	1.32		0.00	1.32
Rectangle B	12	8	1.0	96.00	0.57	0.57		0.00	0.57
Rectangle C	0	0	0.0	0.00	0.00	0.00		0.00	0.00
Rectangle D				0.00	0.00	0.00		0.00	0.00
Rectangle E				0.00	0.00	0.00		0.00	0.00
Rectangle F				0.00	0.00	0.00		0.00	0.00
Rectangle G				0.00	0.00	0.00		0.00	0.00
Rectangle H				0.00	0.00	0.00		0.00	0.00
Rectangle I				0.00	0.00	0.00		0.00	0.00
Rectangle J				0.00	0.00	0.00		0.00	0.00

Total Volume Released to Lined Secondary Containment:

1.8913

0.0000

1.8913

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

QUESTIONS

Action 518469

QUESTIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 518469
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2529058701
Incident Name	NAPP2529058701 EIDER 35 FEDERAL 501H @ 30-025-49287
Incident Type	Oil Release
Incident Status	Initial C-141 Received
Incident Well	[30-025-49287] EIDER 35 FEDERAL #501H

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Eider 35 Federal 501H
Date Release Discovered	10/17/2025
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Other Pipeline (Any) Crude Oil Released: 2 BBL Recovered: 0 BBL Lost: 2 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Emergency services were notified to extinguish the fire. The release was confined to the well pad. The facility has been cleared by safety personnel.

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 518469

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 518469
	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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
<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	Emergency services were notified to extinguish the fire. The release was confined to the well pad. The facility has been cleared by safety personnel.

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: 10/21/2025
--	---

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

QUESTIONS, Page 3

Action 518469

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 518469
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	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

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	No
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 518469

CONDITIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 518469
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	10/21/2025

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 529578

QUESTIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 529578
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2529058701
Incident Name	NAPP2529058701 EIDER 35 FEDERAL 501H @ 30-025-49287
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-49287] EIDER 35 FEDERAL #501H

Location of Release Source	
Site Name	Eider 35 Federal 501H
Date Release Discovered	10/17/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	2,250
What is the estimated number of samples that will be gathered	12
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/02/2025
Time sampling will commence	09:30 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources – 432-813-6823
Please provide any information necessary for navigation to sampling site	32.167862, -103.649094

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oecd/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 529578

CONDITIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 529578
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jlaird	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.	11/24/2025
jlaird	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	11/24/2025

APPENDIX D





CARMONA RESOURCES



Nearest water well

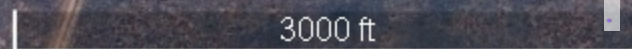
COG PRODUCTION, LLC

Legend

-  0.39 Miles
-  0.50 Mile Radius
-  EIDER 35 FEDERAL #501H (10.17.2025)
-  Groundwater Determination Bore

EIDER 35 FEDERAL #501H (10.17.2025)



105' GWDB - Drilled 2021




Low Karst

COG PRODUCTION, LLC

Legend

-  EIDER 35 FEDERAL #501H (10.17.2025)
-  Low

EIDER 35 FEDERAL #501H (10.17.2025) 





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(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
C 04536 POD1		C	LE	NW	NE	NE	33	24S	32E	625019.4	3561244.5	●	2726	500	314	186
C 04924 POD1		CUB	LE	SE	SE	SW	04	25S	32E	624324.5	3558103.7	●	3490	105		
C 04634 POD1		CUB	LE	SE	SW	SW	10	25S	32E	625642.8	3556522.4	●	3730	55		
C 04622 POD1		CUB	LE	SW	SW	SE	24	24S	32E	629436.4	3563006.8	●	3792			

Average Depth to Water: **314 feet**

Minimum Depth: **314 feet**

Maximum Depth: **314 feet**

Record Count: 4

UTM Filters (in meters):

Easting: 627354.10

Northing: 3559837.04

Radius: 4000

* UTM location was derived from PLSS - see Help

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

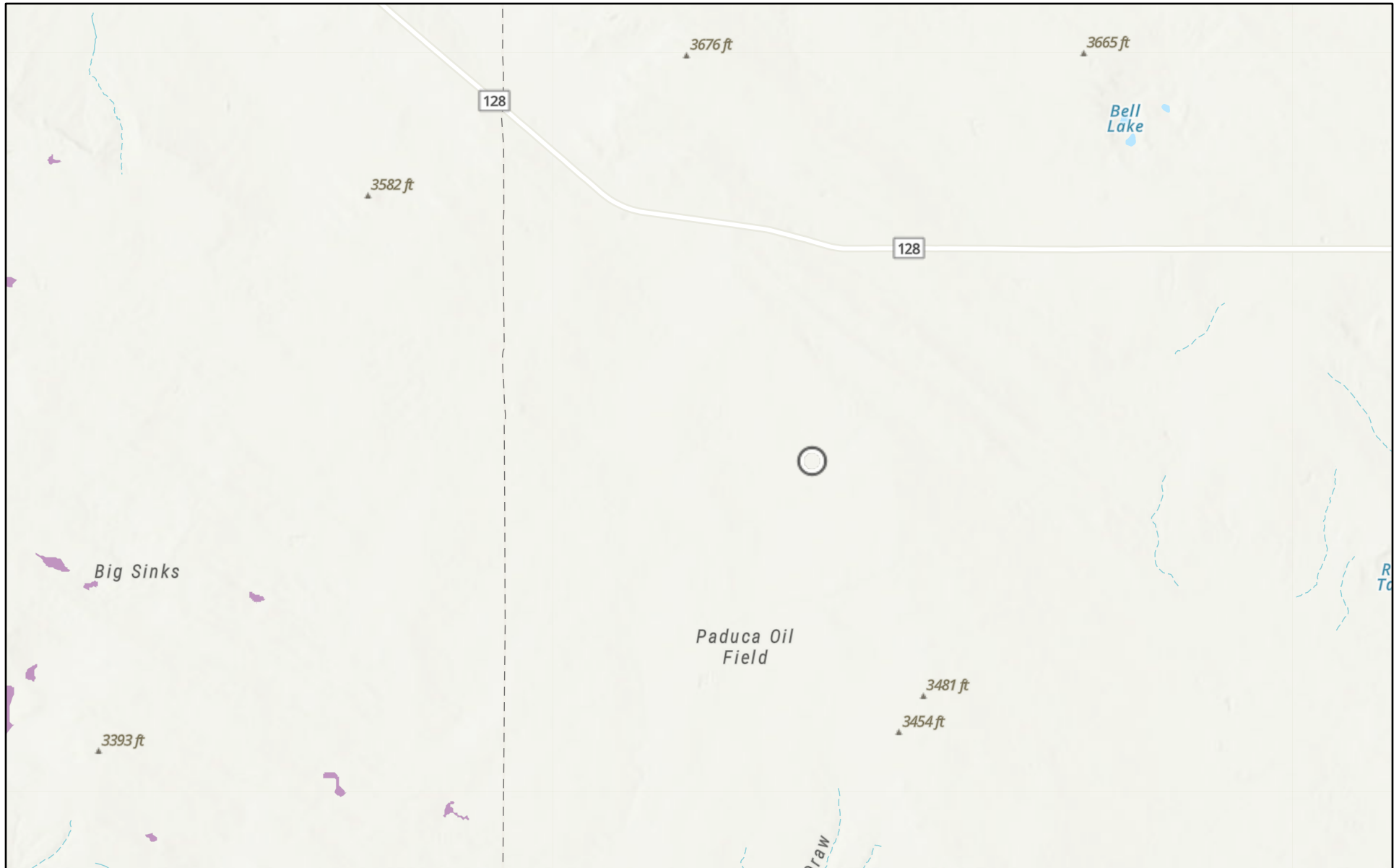


Project Name :	Eider Fed 2H	Date :	Wednesday, June 16, 2021
Project No. :	214307	Sampler :	Clint Merritt
Location :	Lea County, New Mexico	Driller :	Scarborough Drilling
Coordinates :	32.16721, -103.64301	Method :	Air Rotary
Elevation :	3,544		

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		(0') - Yellowish orange, med. loose sand (SW). Dry		50		(50') - Light brown, very soft clay (ML). Dry	
5		(5') - Light brown, fine loose silty sand (SM). Dry		55			
10		(10') - Light brown, fine loose silty sand (SM). Dry		60		(50') - Light brown, med. stiff clay (CL). Dry	
15				65			
20		(20') - Light brown, fine loose silty sand (SM). Dry		70		(50') - Light brown, med. stiff clay (CL). Dry	
25				75			
30		(30') - Light brown, fine loose silty sand (SM). Dry		80		(50') - Light brown, med. stiff clay (CL). Dry	
35				85			
40		(40') - Light brown, fine med. dense sand (SC). Dry		90		(50') - Light brown, med. stiff clay (CL). Dry	
45				95			
50				100		(50') - Light brown, med. stiff clay (CL). Dry	

Comments : Total Depth 105' bgs
 Drilling terminated @14:30 (CT) No Groundwater Present
 On 6/21/2021 No groundwater present

EIDER 35 FEDERAL #501H (10.17.2025)

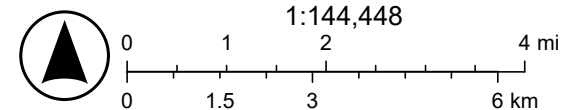


10/21/2025

USA Flood Hazard Areas

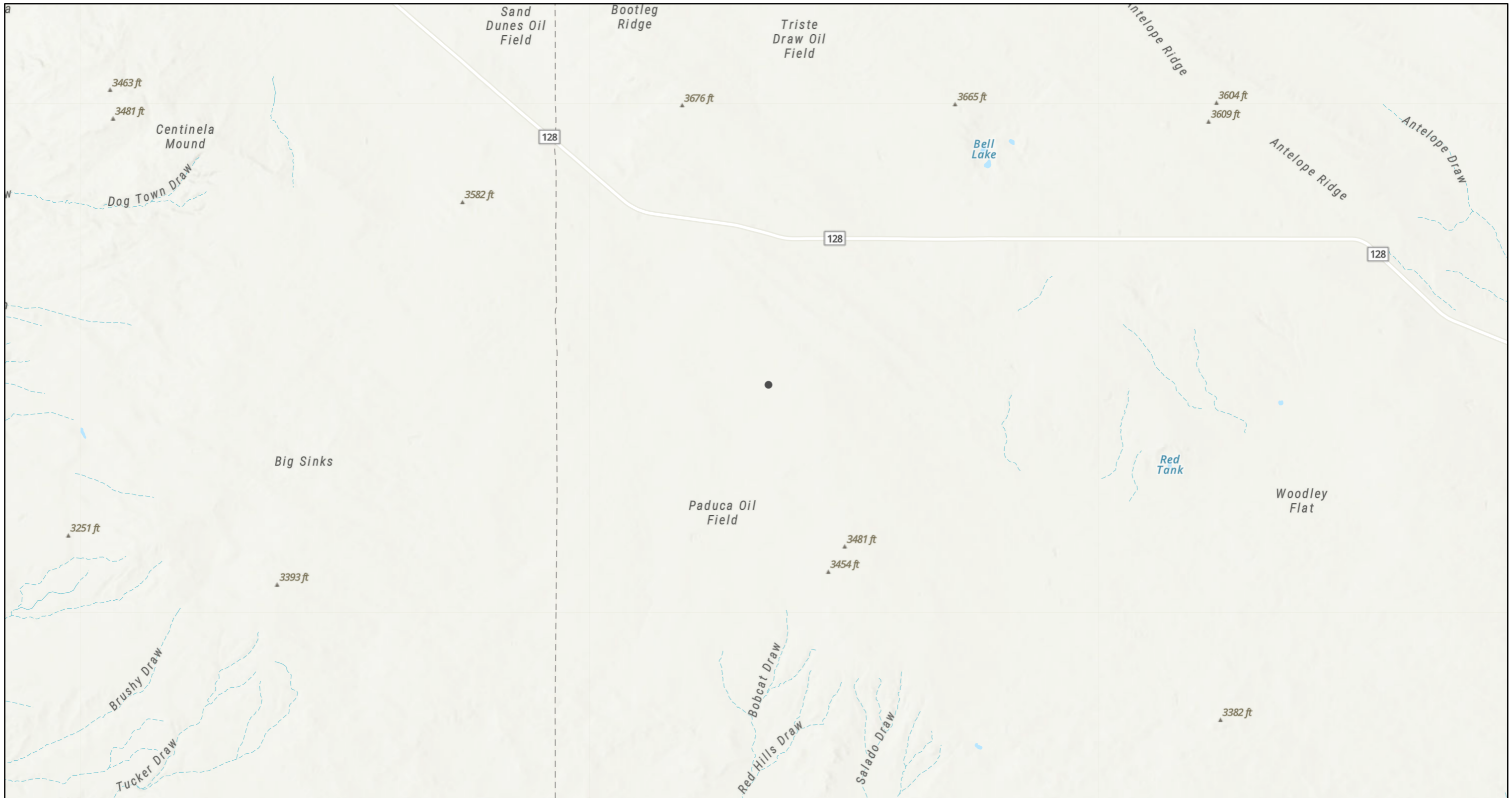
 1% Annual Chance Flood Hazard

World_Hillshade



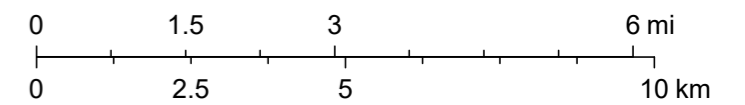
Esri, NASA, NGA, USGS, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community

EIDER 35 FEDERAL #501H (10.17.2025)



10/21/2025, 9:01:56 AM

1:144,448



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

APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/6/2025 1:02:56 PM

JOB DESCRIPTION

Eider 35 Fed 501 H
 Lea County, New Mexico

JOB NUMBER

880-64499-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



Generated
11/6/2025 1:02:56 PM

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

Client: Carmona Resources
Project/Site: Eider 35 Fed 501 H

Laboratory Job ID: 880-64499-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Eider 35 Fed 501 H

Job ID: 880-64499-1

Job ID: 880-64499-1

Eurofins Midland

Job Narrative 880-64499-1

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

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

Receipt

The samples were received on 11/3/2025 3:48 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 -7.0°C.

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-3 (0-1') (880-64499-11) and S-4 (3') (880-64499-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-2 (3') (880-64499-9). Evidence of matrix interferences is not obvious.

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1 (0-1') (880-64499-1), S-1 (2') (880-64499-3), S-2 (1.5') (880-64499-7), S-2 (2') (880-64499-8), S-2 (3') (880-64499-9), S-4 (0-1') (880-64499-16), S-4 (1.5') (880-64499-17), S-4 (2') (880-64499-18), S-4 (3') (880-64499-19) and (880-64499-A-1-C MSD). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Eurofins Midland



Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-64499-1

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/04/25 08:49	11/04/25 22:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/04/25 08:49	11/04/25 22:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/04/25 08:49	11/04/25 22:31	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		11/04/25 08:49	11/04/25 22:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/04/25 08:49	11/04/25 22:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/04/25 08:49	11/04/25 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	11/04/25 08:49	11/04/25 22:31	1
1,4-Difluorobenzene (Surr)	99		70 - 130	11/04/25 08:49	11/04/25 22:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/04/25 22:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/04/25 13:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/25 16:05	11/04/25 13:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/25 16:05	11/04/25 13:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/25 16:05	11/04/25 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130	11/03/25 16:05	11/04/25 13:56	1
o-Terphenyl (Surr)	136	S1+	70 - 130	11/03/25 16:05	11/04/25 13:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	192		9.90		mg/Kg			11/04/25 14:11	1

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-64499-2

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/04/25 08:49	11/04/25 22:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/04/25 08:49	11/04/25 22:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/04/25 08:49	11/04/25 22:52	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		11/04/25 08:49	11/04/25 22:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/04/25 08:49	11/04/25 22:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/04/25 08:49	11/04/25 22:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	11/04/25 08:49	11/04/25 22:52	1
1,4-Difluorobenzene (Surr)	96		70 - 130	11/04/25 08:49	11/04/25 22:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-64499-2

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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			11/04/25 22:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/04/25 14:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/25 16:05	11/04/25 14:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/25 16:05	11/04/25 14:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/25 16:05	11/04/25 14:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130				11/03/25 16:05	11/04/25 14:41	1
o-Terphenyl (Surr)	130		70 - 130				11/03/25 16:05	11/04/25 14:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	157		10.0		mg/Kg			11/04/25 14:16	1

Client Sample ID: S-1 (2')

Lab Sample ID: 880-64499-3

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/04/25 08:49	11/04/25 23:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/04/25 08:49	11/04/25 23:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/04/25 08:49	11/04/25 23:12	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		11/04/25 08:49	11/04/25 23:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/04/25 08:49	11/04/25 23:12	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/04/25 08:49	11/04/25 23:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				11/04/25 08:49	11/04/25 23:12	1
1,4-Difluorobenzene (Surr)	96		70 - 130				11/04/25 08:49	11/04/25 23:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/04/25 23:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/04/25 14:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/03/25 16:05	11/04/25 14:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/03/25 16:05	11/04/25 14:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

Client Sample ID: S-1 (2')

Lab Sample ID: 880-64499-3

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/03/25 16:05	11/04/25 14:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130				11/03/25 16:05	11/04/25 14:56	1
o-Terphenyl (Surr)	134	S1+	70 - 130				11/03/25 16:05	11/04/25 14:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	122		10.1		mg/Kg			11/04/25 14:21	1

Client Sample ID: S-1 (3')

Lab Sample ID: 880-64499-4

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/04/25 08:49	11/04/25 23:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/04/25 08:49	11/04/25 23:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/04/25 08:49	11/04/25 23:33	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/04/25 08:49	11/04/25 23:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/04/25 08:49	11/04/25 23:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/04/25 08:49	11/04/25 23:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				11/04/25 08:49	11/04/25 23:33	1
1,4-Difluorobenzene (Surr)	98		70 - 130				11/04/25 08:49	11/04/25 23:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/04/25 23:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/04/25 15:11	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		11/03/25 16:05	11/04/25 15:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/03/25 16:05	11/04/25 15:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/03/25 16:05	11/04/25 15:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130				11/03/25 16:05	11/04/25 15:11	1
o-Terphenyl (Surr)	124		70 - 130				11/03/25 16:05	11/04/25 15:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	135		9.94		mg/Kg			11/04/25 14:27	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

Client Sample ID: S-1 (4')

Lab Sample ID: 880-64499-5

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/04/25 08:49	11/04/25 23:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/04/25 08:49	11/04/25 23:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/04/25 08:49	11/04/25 23:53	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		11/04/25 08:49	11/04/25 23:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/04/25 08:49	11/04/25 23:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/04/25 08:49	11/04/25 23:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	11/04/25 08:49	11/04/25 23:53	1
1,4-Difluorobenzene (Surr)	97		70 - 130	11/04/25 08:49	11/04/25 23:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/04/25 23:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/04/25 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/25 16:05	11/04/25 15:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/25 16:05	11/04/25 15:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/25 16:05	11/04/25 15:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130	11/03/25 16:05	11/04/25 15:26	1
o-Terphenyl (Surr)	125		70 - 130	11/03/25 16:05	11/04/25 15:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	148		9.96		mg/Kg			11/04/25 15:03	1

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

Lab Sample ID: 880-64499-6

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/04/25 08:49	11/05/25 00:14	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/04/25 08:49	11/05/25 00:14	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/04/25 08:49	11/05/25 00:14	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		11/04/25 08:49	11/05/25 00:14	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/04/25 08:49	11/05/25 00:14	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/04/25 08:49	11/05/25 00:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	11/04/25 08:49	11/05/25 00:14	1
1,4-Difluorobenzene (Surr)	74		70 - 130	11/04/25 08:49	11/05/25 00:14	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

Client Sample ID: S-2 (0-1')
 Date Collected: 10/30/25 00:00
 Date Received: 11/03/25 15:48

Lab Sample ID: 880-64499-6
 Matrix: Solid

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			11/05/25 00:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/04/25 15:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/25 16:05	11/04/25 15:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/25 16:05	11/04/25 15:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/25 16:05	11/04/25 15:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130				11/03/25 16:05	11/04/25 15:42	1
o-Terphenyl (Surr)	122		70 - 130				11/03/25 16:05	11/04/25 15:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	211		9.98		mg/Kg			11/04/25 15:19	1

Client Sample ID: S-2 (1.5')
 Date Collected: 10/30/25 00:00
 Date Received: 11/03/25 15:48

Lab Sample ID: 880-64499-7
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/04/25 08:49	11/05/25 00:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/04/25 08:49	11/05/25 00:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/04/25 08:49	11/05/25 00:34	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/04/25 08:49	11/05/25 00:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/04/25 08:49	11/05/25 00:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/04/25 08:49	11/05/25 00:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				11/04/25 08:49	11/05/25 00:34	1
1,4-Difluorobenzene (Surr)	95		70 - 130				11/04/25 08:49	11/05/25 00:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/05/25 00:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/04/25 15:57	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	<50.0	U	50.0		mg/Kg		11/03/25 16:05	11/04/25 15:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/03/25 16:05	11/04/25 15:57	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-64499-7

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/03/25 16:05	11/04/25 15:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130				11/03/25 16:05	11/04/25 15:57	1
o-Terphenyl (Surr)	135	S1+	70 - 130				11/03/25 16:05	11/04/25 15:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	242		9.90		mg/Kg			11/04/25 15:24	1

Client Sample ID: S-2 (2')

Lab Sample ID: 880-64499-8

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/04/25 08:49	11/05/25 00:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/04/25 08:49	11/05/25 00:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/04/25 08:49	11/05/25 00:54	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		11/04/25 08:49	11/05/25 00:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/04/25 08:49	11/05/25 00:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/04/25 08:49	11/05/25 00:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				11/04/25 08:49	11/05/25 00:54	1
1,4-Difluorobenzene (Surr)	95		70 - 130				11/04/25 08:49	11/05/25 00:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/05/25 00:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/04/25 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/03/25 16:05	11/04/25 16:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/03/25 16:05	11/04/25 16:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/03/25 16:05	11/04/25 16:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130				11/03/25 16:05	11/04/25 16:12	1
o-Terphenyl (Surr)	136	S1+	70 - 130				11/03/25 16:05	11/04/25 16:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	125		9.90		mg/Kg			11/04/25 15:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

Client Sample ID: S-2 (3')
 Date Collected: 10/30/25 00:00
 Date Received: 11/03/25 15:48

Lab Sample ID: 880-64499-9
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/04/25 08:49	11/05/25 01:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/04/25 08:49	11/05/25 01:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/04/25 08:49	11/05/25 01:15	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		11/04/25 08:49	11/05/25 01:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/04/25 08:49	11/05/25 01:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/04/25 08:49	11/05/25 01:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	11/04/25 08:49	11/05/25 01:15	1
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130	11/04/25 08:49	11/05/25 01:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/05/25 01:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/04/25 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/25 16:05	11/04/25 16:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/25 16:05	11/04/25 16:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/25 16:05	11/04/25 16:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130	11/03/25 16:05	11/04/25 16:27	1
o-Terphenyl (Surr)	135	S1+	70 - 130	11/03/25 16:05	11/04/25 16:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	122		9.92		mg/Kg			11/04/25 15:45	1

Client Sample ID: S-2 (4')
 Date Collected: 10/30/25 00:00
 Date Received: 11/03/25 15:48

Lab Sample ID: 880-64499-10
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/04/25 08:49	11/05/25 01:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/04/25 08:49	11/05/25 01:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/04/25 08:49	11/05/25 01:35	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		11/04/25 08:49	11/05/25 01:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/04/25 08:49	11/05/25 01:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/04/25 08:49	11/05/25 01:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	11/04/25 08:49	11/05/25 01:35	1
1,4-Difluorobenzene (Surr)	94		70 - 130	11/04/25 08:49	11/05/25 01:35	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

Client Sample ID: S-2 (4')

Lab Sample ID: 880-64499-10

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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			11/05/25 01:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/04/25 16:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/03/25 16:05	11/04/25 16:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/03/25 16:05	11/04/25 16:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/03/25 16:05	11/04/25 16:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130				11/03/25 16:05	11/04/25 16:42	1
o-Terphenyl (Surr)	129		70 - 130				11/03/25 16:05	11/04/25 16:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.3		9.90		mg/Kg			11/04/25 15:50	1

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

Lab Sample ID: 880-64499-11

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/04/25 08:49	11/05/25 03:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/04/25 08:49	11/05/25 03:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/04/25 08:49	11/05/25 03:09	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		11/04/25 08:49	11/05/25 03:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/04/25 08:49	11/05/25 03:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/04/25 08:49	11/05/25 03:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130				11/04/25 08:49	11/05/25 03:09	1
1,4-Difluorobenzene (Surr)	96		70 - 130				11/04/25 08:49	11/05/25 03:09	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			11/05/25 03:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/04/25 17:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/03/25 16:05	11/04/25 17:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/03/25 16:05	11/04/25 17:13	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-64499-11

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/03/25 16:05	11/04/25 17:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130				11/03/25 16:05	11/04/25 17:13	1
o-Terphenyl (Surr)	130		70 - 130				11/03/25 16:05	11/04/25 17:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	201		10.0		mg/Kg			11/04/25 16:32	1

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-64499-12

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/04/25 08:49	11/05/25 03:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/04/25 08:49	11/05/25 03:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/04/25 08:49	11/05/25 03:29	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/04/25 08:49	11/05/25 03:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/04/25 08:49	11/05/25 03:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/04/25 08:49	11/05/25 03:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				11/04/25 08:49	11/05/25 03:29	1
1,4-Difluorobenzene (Surr)	96		70 - 130				11/04/25 08:49	11/05/25 03:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/05/25 03:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/04/25 17:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/03/25 16:05	11/04/25 17:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/03/25 16:05	11/04/25 17:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/03/25 16:05	11/04/25 17:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130				11/03/25 16:05	11/04/25 17:29	1
o-Terphenyl (Surr)	127		70 - 130				11/03/25 16:05	11/04/25 17:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	169		10.0		mg/Kg			11/04/25 16:38	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

Client Sample ID: S-3 (2')

Lab Sample ID: 880-64499-13

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/04/25 08:49	11/05/25 03:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/04/25 08:49	11/05/25 03:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/04/25 08:49	11/05/25 03:49	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/04/25 08:49	11/05/25 03:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/04/25 08:49	11/05/25 03:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/04/25 08:49	11/05/25 03:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	11/04/25 08:49	11/05/25 03:49	1
1,4-Difluorobenzene (Surr)	97		70 - 130	11/04/25 08:49	11/05/25 03:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/05/25 03:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/04/25 17:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/25 16:05	11/04/25 17:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/25 16:05	11/04/25 17:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/25 16:05	11/04/25 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130	11/03/25 16:05	11/04/25 17:44	1
o-Terphenyl (Surr)	125		70 - 130	11/03/25 16:05	11/04/25 17:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	118		10.1		mg/Kg			11/04/25 16:43	1

Client Sample ID: S-3 (3')

Lab Sample ID: 880-64499-14

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/04/25 08:49	11/05/25 04:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/04/25 08:49	11/05/25 04:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/04/25 08:49	11/05/25 04:10	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		11/04/25 08:49	11/05/25 04:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/04/25 08:49	11/05/25 04:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/04/25 08:49	11/05/25 04:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	11/04/25 08:49	11/05/25 04:10	1
1,4-Difluorobenzene (Surr)	97		70 - 130	11/04/25 08:49	11/05/25 04:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

Client Sample ID: S-3 (3')

Lab Sample ID: 880-64499-14

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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			11/05/25 04:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/04/25 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	<50.0	U	50.0		mg/Kg		11/03/25 16:05	11/04/25 17:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/03/25 16:05	11/04/25 17:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/03/25 16:05	11/04/25 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130				11/03/25 16:05	11/04/25 17:59	1
o-Terphenyl (Surr)	123		70 - 130				11/03/25 16:05	11/04/25 17:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	118		10.0		mg/Kg			11/04/25 16:48	1

Client Sample ID: S-3 (4')

Lab Sample ID: 880-64499-15

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/04/25 08:49	11/05/25 04:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/04/25 08:49	11/05/25 04:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/04/25 08:49	11/05/25 04:30	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		11/04/25 08:49	11/05/25 04:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/04/25 08:49	11/05/25 04:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/04/25 08:49	11/05/25 04:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				11/04/25 08:49	11/05/25 04:30	1
1,4-Difluorobenzene (Surr)	98		70 - 130				11/04/25 08:49	11/05/25 04:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/05/25 04:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/04/25 18:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/03/25 16:05	11/04/25 18:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/03/25 16:05	11/04/25 18:14	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

Client Sample ID: S-3 (4')

Lab Sample ID: 880-64499-15

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/03/25 16:05	11/04/25 18:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130				11/03/25 16:05	11/04/25 18:14	1
o-Terphenyl (Surr)	123		70 - 130				11/03/25 16:05	11/04/25 18:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	124		9.96		mg/Kg			11/04/25 11:12	1

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

Lab Sample ID: 880-64499-16

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/04/25 08:49	11/05/25 04:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/04/25 08:49	11/05/25 04:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/04/25 08:49	11/05/25 04:51	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		11/04/25 08:49	11/05/25 04:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/04/25 08:49	11/05/25 04:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/04/25 08:49	11/05/25 04:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				11/04/25 08:49	11/05/25 04:51	1
1,4-Difluorobenzene (Surr)	94		70 - 130				11/04/25 08:49	11/05/25 04:51	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			11/05/25 04:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/04/25 18:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/25 16:05	11/04/25 18:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/25 16:05	11/04/25 18:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/25 16:05	11/04/25 18:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130				11/03/25 16:05	11/04/25 18:29	1
o-Terphenyl (Surr)	131	S1+	70 - 130				11/03/25 16:05	11/04/25 18:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	225		10.0		mg/Kg			11/04/25 11:28	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

Client Sample ID: S-4 (1.5')
 Date Collected: 10/30/25 00:00
 Date Received: 11/03/25 15:48

Lab Sample ID: 880-64499-17
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/04/25 08:49	11/05/25 05:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/04/25 08:49	11/05/25 05:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/04/25 08:49	11/05/25 05:11	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/04/25 08:49	11/05/25 05:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/04/25 08:49	11/05/25 05:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/04/25 08:49	11/05/25 05:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				11/04/25 08:49	11/05/25 05:11	1
1,4-Difluorobenzene (Surr)	98		70 - 130				11/04/25 08:49	11/05/25 05:11	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			11/05/25 05:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/04/25 18:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/03/25 16:05	11/04/25 18:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/03/25 16:05	11/04/25 18:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/03/25 16:05	11/04/25 18:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130				11/03/25 16:05	11/04/25 18:44	1
o-Terphenyl (Surr)	152	S1+	70 - 130				11/03/25 16:05	11/04/25 18:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	231		9.96		mg/Kg			11/04/25 11:33	1

Client Sample ID: S-4 (2')
 Date Collected: 10/30/25 00:00
 Date Received: 11/03/25 15:48

Lab Sample ID: 880-64499-18
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/04/25 08:49	11/05/25 05:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/04/25 08:49	11/05/25 05:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/04/25 08:49	11/05/25 05:32	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/04/25 08:49	11/05/25 05:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/04/25 08:49	11/05/25 05:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/04/25 08:49	11/05/25 05:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				11/04/25 08:49	11/05/25 05:32	1
1,4-Difluorobenzene (Surr)	95		70 - 130				11/04/25 08:49	11/05/25 05:32	1

Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

Client Sample ID: S-4 (2')

Lab Sample ID: 880-64499-18

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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			11/05/25 05:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/04/25 19:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/25 16:05	11/04/25 19:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/25 16:05	11/04/25 19:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/25 16:05	11/04/25 19:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	126		70 - 130				11/03/25 16:05	11/04/25 19:00	1
o-Terphenyl (Surr)	143	S1+	70 - 130				11/03/25 16:05	11/04/25 19:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136		10.1		mg/Kg			11/04/25 11:39	1

Client Sample ID: S-4 (3')

Lab Sample ID: 880-64499-19

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/04/25 08:49	11/05/25 05:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/04/25 08:49	11/05/25 05:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/04/25 08:49	11/05/25 05:52	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		11/04/25 08:49	11/05/25 05:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/04/25 08:49	11/05/25 05:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/04/25 08:49	11/05/25 05:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				11/04/25 08:49	11/05/25 05:52	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130				11/04/25 08:49	11/05/25 05:52	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			11/05/25 05:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/04/25 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/03/25 16:05	11/04/25 19:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/03/25 16:05	11/04/25 19:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

Client Sample ID: S-4 (3')

Lab Sample ID: 880-64499-19

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/03/25 16:05	11/04/25 19:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	131	S1+	70 - 130				11/03/25 16:05	11/04/25 19:15	1
o-Terphenyl (Surr)	155	S1+	70 - 130				11/03/25 16:05	11/04/25 19:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	124		10.1		mg/Kg			11/04/25 11:44	1

Client Sample ID: S-4 (4')

Lab Sample ID: 880-64499-20

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/04/25 08:49	11/05/25 06:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/04/25 08:49	11/05/25 06:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/04/25 08:49	11/05/25 06:12	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		11/04/25 08:49	11/05/25 06:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/04/25 08:49	11/05/25 06:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/04/25 08:49	11/05/25 06:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				11/04/25 08:49	11/05/25 06:12	1
1,4-Difluorobenzene (Surr)	96		70 - 130				11/04/25 08:49	11/05/25 06:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/05/25 06:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/04/25 19:30	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		11/03/25 16:05	11/04/25 19:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/03/25 16:05	11/04/25 19:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/03/25 16:05	11/04/25 19:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130				11/03/25 16:05	11/04/25 19:30	1
o-Terphenyl (Surr)	130		70 - 130				11/03/25 16:05	11/04/25 19:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		9.96		mg/Kg			11/04/25 12:00	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-64499-1	S-1 (0-1')	125	99
880-64499-1 MS	S-1 (0-1')	122	92
880-64499-1 MSD	S-1 (0-1')	123	94
880-64499-2	S-1 (1.5')	130	96
880-64499-3	S-1 (2')	124	96
880-64499-4	S-1 (3')	126	98
880-64499-5	S-1 (4')	125	97
880-64499-6	S-2 (0-1')	95	74
880-64499-7	S-2 (1.5')	127	95
880-64499-8	S-2 (2')	129	95
880-64499-9	S-2 (3')	94	68 S1-
880-64499-10	S-2 (4')	125	94
880-64499-11	S-3 (0-1')	134 S1+	96
880-64499-12	S-3 (1.5')	126	96
880-64499-13	S-3 (2')	124	97
880-64499-14	S-3 (3')	126	97
880-64499-15	S-3 (4')	129	98
880-64499-16	S-4 (0-1')	127	94
880-64499-17	S-4 (1.5')	130	98
880-64499-18	S-4 (2')	128	95
880-64499-19	S-4 (3')	88	67 S1-
880-64499-20	S-4 (4')	128	96
LCS 880-122807/1-A	Lab Control Sample	124	94
LCS D 880-122807/2-A	Lab Control Sample Dup	105	83
MB 880-122561/5-A	Method Blank	125	96
MB 880-122807/5-A	Method Blank	124	92

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
 DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-64499-1	S-1 (0-1')	117	136 S1+
880-64499-1 MS	S-1 (0-1')	102	129
880-64499-1 MSD	S-1 (0-1')	103	133 S1+
880-64499-2	S-1 (1.5')	114	130
880-64499-3	S-1 (2')	115	134 S1+
880-64499-4	S-1 (3')	104	124
880-64499-5	S-1 (4')	106	125
880-64499-6	S-2 (0-1')	106	122
880-64499-7	S-2 (1.5')	116	135 S1+
880-64499-8	S-2 (2')	113	136 S1+
880-64499-9	S-2 (3')	114	135 S1+
880-64499-10	S-2 (4')	113	129
880-64499-11	S-3 (0-1')	110	130

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Surrogate Summary

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-64499-12	S-3 (1.5')	107	127
880-64499-13	S-3 (2')	109	125
880-64499-14	S-3 (3')	107	123
880-64499-15	S-3 (4')	104	123
880-64499-16	S-4 (0-1')	111	131 S1+
880-64499-17	S-4 (1.5')	125	152 S1+
880-64499-18	S-4 (2')	126	143 S1+
880-64499-19	S-4 (3')	131 S1+	155 S1+
880-64499-20	S-4 (4')	109	130
LCS 880-122775/2-A	Lab Control Sample	92	116
LCSD 880-122775/3-A	Lab Control Sample Dup	91	120
MB 880-122775/1-A	Method Blank	91	96

Surrogate Legend

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

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

QC Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-122561/5-A
 Matrix: Solid
 Analysis Batch: 122795

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 122561

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		10/31/25 11:04	11/04/25 11:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/31/25 11:04	11/04/25 11:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/31/25 11:04	11/04/25 11:15	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		10/31/25 11:04	11/04/25 11:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/31/25 11:04	11/04/25 11:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/31/25 11:04	11/04/25 11:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				10/31/25 11:04	11/04/25 11:15	1
1,4-Difluorobenzene (Surr)	96		70 - 130				10/31/25 11:04	11/04/25 11:15	1

Lab Sample ID: MB 880-122807/5-A
 Matrix: Solid
 Analysis Batch: 122795

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 122807

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		11/04/25 08:49	11/04/25 22:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/04/25 08:49	11/04/25 22:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/04/25 08:49	11/04/25 22:10	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		11/04/25 08:49	11/04/25 22:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/04/25 08:49	11/04/25 22:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/04/25 08:49	11/04/25 22:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				11/04/25 08:49	11/04/25 22:10	1
1,4-Difluorobenzene (Surr)	92		70 - 130				11/04/25 08:49	11/04/25 22:10	1

Lab Sample ID: LCS 880-122807/1-A
 Matrix: Solid
 Analysis Batch: 122795

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 122807

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	0.100	0.1002		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.1001		mg/Kg		100	70 - 130
m,p-Xylenes	0.200	0.2040		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1070		mg/Kg		107	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	124		70 - 130				
1,4-Difluorobenzene (Surr)	94		70 - 130				

Lab Sample ID: LCSD 880-122807/2-A
 Matrix: Solid
 Analysis Batch: 122795

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 122807

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Benzene	0.100	0.08168		mg/Kg		82	70 - 130	12	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-122807/2-A
 Matrix: Solid
 Analysis Batch: 122795

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 122807

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD Limit
							Limits	RPD	
Toluene	0.100	0.08914		mg/Kg		89	70 - 130	12	35
Ethylbenzene	0.100	0.09107		mg/Kg		91	70 - 130	9	35
m,p-Xylenes	0.200	0.1831		mg/Kg		92	70 - 130	11	35
o-Xylene	0.100	0.09597		mg/Kg		96	70 - 130	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: 880-64499-1 MS
 Matrix: Solid
 Analysis Batch: 122795

Client Sample ID: S-1 (0-1')
 Prep Type: Total/NA
 Prep Batch: 122807

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Benzene	<0.00200	U	0.100	0.08874		mg/Kg		89	70 - 130	
Toluene	<0.00200	U	0.100	0.09373		mg/Kg		94	70 - 130	
Ethylbenzene	<0.00200	U	0.100	0.09376		mg/Kg		94	70 - 130	
m,p-Xylenes	<0.00399	U	0.200	0.1932		mg/Kg		97	70 - 130	
o-Xylene	<0.00200	U	0.100	0.09936		mg/Kg		99	70 - 130	

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-64499-1 MSD
 Matrix: Solid
 Analysis Batch: 122795

Client Sample ID: S-1 (0-1')
 Prep Type: Total/NA
 Prep Batch: 122807

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD Limit
									Limits	RPD	
Benzene	<0.00200	U	0.100	0.08488		mg/Kg		85	70 - 130	4	35
Toluene	<0.00200	U	0.100	0.09463		mg/Kg		95	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.09498		mg/Kg		95	70 - 130	1	35
m,p-Xylenes	<0.00399	U	0.200	0.1916		mg/Kg		96	70 - 130	1	35
o-Xylene	<0.00200	U	0.100	0.09796		mg/Kg		98	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	123		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

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

Lab Sample ID: MB 880-122775/1-A
 Matrix: Solid
 Analysis Batch: 122802

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 122775

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/03/25 16:04	11/04/25 04:26	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-122775/1-A
Matrix: Solid
Analysis Batch: 122802

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 122775

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/03/25 16:04	11/04/25 04:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/03/25 16:04	11/04/25 04:26	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	91		70 - 130	11/03/25 16:04	11/04/25 04:26	1
o-Terphenyl (Surr)	96		70 - 130	11/03/25 16:04	11/04/25 04:26	1

Lab Sample ID: LCS 880-122775/2-A
Matrix: Solid
Analysis Batch: 122802

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 122775

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	852.9		mg/Kg		85	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	92		70 - 130
o-Terphenyl (Surr)	116		70 - 130

Lab Sample ID: LCSD 880-122775/3-A
Matrix: Solid
Analysis Batch: 122802

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 122775

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	1000	879.9		mg/Kg		88	70 - 130	3	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	91		70 - 130
o-Terphenyl (Surr)	120		70 - 130

Lab Sample ID: 880-64499-1 MS
Matrix: Solid
Analysis Batch: 122802

Client Sample ID: S-1 (0-1')
Prep Type: Total/NA
Prep Batch: 122775

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	889.9		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	816.7		mg/Kg		82	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	102		70 - 130
o-Terphenyl (Surr)	129		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-64499-1 MSD
 Matrix: Solid
 Analysis Batch: 122802

Client Sample ID: S-1 (0-1')
 Prep Type: Total/NA
 Prep Batch: 122775

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	902.5		mg/Kg		90	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	857.4		mg/Kg		86	70 - 130	5	20
Surrogate	%Recovery	MSD Qualifier	MSD	Limits							
1-Chlorooctane (Surr)	103			70 - 130							
o-Terphenyl (Surr)	133	S1+		70 - 130							

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-122778/1-A
 Matrix: Solid
 Analysis Batch: 122799

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			11/04/25 12:31	1

Lab Sample ID: LCS 880-122778/2-A
 Matrix: Solid
 Analysis Batch: 122799

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	233.8		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-122778/3-A
 Matrix: Solid
 Analysis Batch: 122799

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	235.4		mg/Kg		94	90 - 110	1	20

Lab Sample ID: 880-64499-5 MS
 Matrix: Solid
 Analysis Batch: 122799

Client Sample ID: S-1 (4')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	148		249	376.8		mg/Kg		92	90 - 110

Lab Sample ID: 880-64499-5 MSD
 Matrix: Solid
 Analysis Batch: 122799

Client Sample ID: S-1 (4')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	148		249	378.2		mg/Kg		93	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-122805/1-A
 Matrix: Solid
 Analysis Batch: 122822

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			11/04/25 10:57	1

Lab Sample ID: LCS 880-122805/2-A
 Matrix: Solid
 Analysis Batch: 122822

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	232.3		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-122805/3-A
 Matrix: Solid
 Analysis Batch: 122822

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	233.8		mg/Kg		94	90 - 110	1	20

Lab Sample ID: 880-64499-15 MS
 Matrix: Solid
 Analysis Batch: 122822

Client Sample ID: S-3 (4')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	124		249	365.3		mg/Kg		97	90 - 110

Lab Sample ID: 880-64499-15 MSD
 Matrix: Solid
 Analysis Batch: 122822

Client Sample ID: S-3 (4')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	124		249	365.8		mg/Kg		97	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

GC VOA

Prep Batch: 122561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-122561/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 122795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64499-1	S-1 (0-1')	Total/NA	Solid	8021B	122807
880-64499-2	S-1 (1.5')	Total/NA	Solid	8021B	122807
880-64499-3	S-1 (2')	Total/NA	Solid	8021B	122807
880-64499-4	S-1 (3')	Total/NA	Solid	8021B	122807
880-64499-5	S-1 (4')	Total/NA	Solid	8021B	122807
880-64499-6	S-2 (0-1')	Total/NA	Solid	8021B	122807
880-64499-7	S-2 (1.5')	Total/NA	Solid	8021B	122807
880-64499-8	S-2 (2')	Total/NA	Solid	8021B	122807
880-64499-9	S-2 (3')	Total/NA	Solid	8021B	122807
880-64499-10	S-2 (4')	Total/NA	Solid	8021B	122807
880-64499-11	S-3 (0-1')	Total/NA	Solid	8021B	122807
880-64499-12	S-3 (1.5')	Total/NA	Solid	8021B	122807
880-64499-13	S-3 (2')	Total/NA	Solid	8021B	122807
880-64499-14	S-3 (3')	Total/NA	Solid	8021B	122807
880-64499-15	S-3 (4')	Total/NA	Solid	8021B	122807
880-64499-16	S-4 (0-1')	Total/NA	Solid	8021B	122807
880-64499-17	S-4 (1.5')	Total/NA	Solid	8021B	122807
880-64499-18	S-4 (2')	Total/NA	Solid	8021B	122807
880-64499-19	S-4 (3')	Total/NA	Solid	8021B	122807
880-64499-20	S-4 (4')	Total/NA	Solid	8021B	122807
MB 880-122561/5-A	Method Blank	Total/NA	Solid	8021B	122561
MB 880-122807/5-A	Method Blank	Total/NA	Solid	8021B	122807
LCS 880-122807/1-A	Lab Control Sample	Total/NA	Solid	8021B	122807
LCSD 880-122807/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	122807
880-64499-1 MS	S-1 (0-1')	Total/NA	Solid	8021B	122807
880-64499-1 MSD	S-1 (0-1')	Total/NA	Solid	8021B	122807

Prep Batch: 122807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64499-1	S-1 (0-1')	Total/NA	Solid	5035	
880-64499-2	S-1 (1.5')	Total/NA	Solid	5035	
880-64499-3	S-1 (2')	Total/NA	Solid	5035	
880-64499-4	S-1 (3')	Total/NA	Solid	5035	
880-64499-5	S-1 (4')	Total/NA	Solid	5035	
880-64499-6	S-2 (0-1')	Total/NA	Solid	5035	
880-64499-7	S-2 (1.5')	Total/NA	Solid	5035	
880-64499-8	S-2 (2')	Total/NA	Solid	5035	
880-64499-9	S-2 (3')	Total/NA	Solid	5035	
880-64499-10	S-2 (4')	Total/NA	Solid	5035	
880-64499-11	S-3 (0-1')	Total/NA	Solid	5035	
880-64499-12	S-3 (1.5')	Total/NA	Solid	5035	
880-64499-13	S-3 (2')	Total/NA	Solid	5035	
880-64499-14	S-3 (3')	Total/NA	Solid	5035	
880-64499-15	S-3 (4')	Total/NA	Solid	5035	
880-64499-16	S-4 (0-1')	Total/NA	Solid	5035	
880-64499-17	S-4 (1.5')	Total/NA	Solid	5035	
880-64499-18	S-4 (2')	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 122807 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64499-19	S-4 (3')	Total/NA	Solid	5035	
880-64499-20	S-4 (4')	Total/NA	Solid	5035	
MB 880-122807/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-122807/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-122807/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-64499-1 MS	S-1 (0-1')	Total/NA	Solid	5035	
880-64499-1 MSD	S-1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 122964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64499-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-64499-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-64499-3	S-1 (2')	Total/NA	Solid	Total BTEX	
880-64499-4	S-1 (3')	Total/NA	Solid	Total BTEX	
880-64499-5	S-1 (4')	Total/NA	Solid	Total BTEX	
880-64499-6	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-64499-7	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-64499-8	S-2 (2')	Total/NA	Solid	Total BTEX	
880-64499-9	S-2 (3')	Total/NA	Solid	Total BTEX	
880-64499-10	S-2 (4')	Total/NA	Solid	Total BTEX	
880-64499-11	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-64499-12	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-64499-13	S-3 (2')	Total/NA	Solid	Total BTEX	
880-64499-14	S-3 (3')	Total/NA	Solid	Total BTEX	
880-64499-15	S-3 (4')	Total/NA	Solid	Total BTEX	
880-64499-16	S-4 (0-1')	Total/NA	Solid	Total BTEX	
880-64499-17	S-4 (1.5')	Total/NA	Solid	Total BTEX	
880-64499-18	S-4 (2')	Total/NA	Solid	Total BTEX	
880-64499-19	S-4 (3')	Total/NA	Solid	Total BTEX	
880-64499-20	S-4 (4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 122775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64499-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-64499-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-64499-3	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-64499-4	S-1 (3')	Total/NA	Solid	8015NM Prep	
880-64499-5	S-1 (4')	Total/NA	Solid	8015NM Prep	
880-64499-6	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-64499-7	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-64499-8	S-2 (2')	Total/NA	Solid	8015NM Prep	
880-64499-9	S-2 (3')	Total/NA	Solid	8015NM Prep	
880-64499-10	S-2 (4')	Total/NA	Solid	8015NM Prep	
880-64499-11	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-64499-12	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-64499-13	S-3 (2')	Total/NA	Solid	8015NM Prep	
880-64499-14	S-3 (3')	Total/NA	Solid	8015NM Prep	
880-64499-15	S-3 (4')	Total/NA	Solid	8015NM Prep	
880-64499-16	S-4 (0-1')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 122775 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64499-17	S-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-64499-18	S-4 (2')	Total/NA	Solid	8015NM Prep	
880-64499-19	S-4 (3')	Total/NA	Solid	8015NM Prep	
880-64499-20	S-4 (4')	Total/NA	Solid	8015NM Prep	
MB 880-122775/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-122775/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-122775/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-64499-1 MS	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-64499-1 MSD	S-1 (0-1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 122802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64499-1	S-1 (0-1')	Total/NA	Solid	8015B NM	122775
880-64499-2	S-1 (1.5')	Total/NA	Solid	8015B NM	122775
880-64499-3	S-1 (2')	Total/NA	Solid	8015B NM	122775
880-64499-4	S-1 (3')	Total/NA	Solid	8015B NM	122775
880-64499-5	S-1 (4')	Total/NA	Solid	8015B NM	122775
880-64499-6	S-2 (0-1')	Total/NA	Solid	8015B NM	122775
880-64499-7	S-2 (1.5')	Total/NA	Solid	8015B NM	122775
880-64499-8	S-2 (2')	Total/NA	Solid	8015B NM	122775
880-64499-9	S-2 (3')	Total/NA	Solid	8015B NM	122775
880-64499-10	S-2 (4')	Total/NA	Solid	8015B NM	122775
880-64499-11	S-3 (0-1')	Total/NA	Solid	8015B NM	122775
880-64499-12	S-3 (1.5')	Total/NA	Solid	8015B NM	122775
880-64499-13	S-3 (2')	Total/NA	Solid	8015B NM	122775
880-64499-14	S-3 (3')	Total/NA	Solid	8015B NM	122775
880-64499-15	S-3 (4')	Total/NA	Solid	8015B NM	122775
880-64499-16	S-4 (0-1')	Total/NA	Solid	8015B NM	122775
880-64499-17	S-4 (1.5')	Total/NA	Solid	8015B NM	122775
880-64499-18	S-4 (2')	Total/NA	Solid	8015B NM	122775
880-64499-19	S-4 (3')	Total/NA	Solid	8015B NM	122775
880-64499-20	S-4 (4')	Total/NA	Solid	8015B NM	122775
MB 880-122775/1-A	Method Blank	Total/NA	Solid	8015B NM	122775
LCS 880-122775/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	122775
LCSD 880-122775/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	122775
880-64499-1 MS	S-1 (0-1')	Total/NA	Solid	8015B NM	122775
880-64499-1 MSD	S-1 (0-1')	Total/NA	Solid	8015B NM	122775

Analysis Batch: 123146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64499-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-64499-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-64499-3	S-1 (2')	Total/NA	Solid	8015 NM	
880-64499-4	S-1 (3')	Total/NA	Solid	8015 NM	
880-64499-5	S-1 (4')	Total/NA	Solid	8015 NM	
880-64499-6	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-64499-7	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-64499-8	S-2 (2')	Total/NA	Solid	8015 NM	
880-64499-9	S-2 (3')	Total/NA	Solid	8015 NM	
880-64499-10	S-2 (4')	Total/NA	Solid	8015 NM	
880-64499-11	S-3 (0-1')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 123146 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64499-12	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-64499-13	S-3 (2')	Total/NA	Solid	8015 NM	
880-64499-14	S-3 (3')	Total/NA	Solid	8015 NM	
880-64499-15	S-3 (4')	Total/NA	Solid	8015 NM	
880-64499-16	S-4 (0-1')	Total/NA	Solid	8015 NM	
880-64499-17	S-4 (1.5')	Total/NA	Solid	8015 NM	
880-64499-18	S-4 (2')	Total/NA	Solid	8015 NM	
880-64499-19	S-4 (3')	Total/NA	Solid	8015 NM	
880-64499-20	S-4 (4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 122778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64499-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-64499-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-64499-3	S-1 (2')	Soluble	Solid	DI Leach	
880-64499-4	S-1 (3')	Soluble	Solid	DI Leach	
880-64499-5	S-1 (4')	Soluble	Solid	DI Leach	
880-64499-6	S-2 (0-1')	Soluble	Solid	DI Leach	
880-64499-7	S-2 (1.5')	Soluble	Solid	DI Leach	
880-64499-8	S-2 (2')	Soluble	Solid	DI Leach	
880-64499-9	S-2 (3')	Soluble	Solid	DI Leach	
880-64499-10	S-2 (4')	Soluble	Solid	DI Leach	
880-64499-11	S-3 (0-1')	Soluble	Solid	DI Leach	
880-64499-12	S-3 (1.5')	Soluble	Solid	DI Leach	
880-64499-13	S-3 (2')	Soluble	Solid	DI Leach	
880-64499-14	S-3 (3')	Soluble	Solid	DI Leach	
MB 880-122778/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-122778/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCS 880-122778/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-64499-5 MS	S-1 (4')	Soluble	Solid	DI Leach	
880-64499-5 MSD	S-1 (4')	Soluble	Solid	DI Leach	

Analysis Batch: 122799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64499-1	S-1 (0-1')	Soluble	Solid	300.0	122778
880-64499-2	S-1 (1.5')	Soluble	Solid	300.0	122778
880-64499-3	S-1 (2')	Soluble	Solid	300.0	122778
880-64499-4	S-1 (3')	Soluble	Solid	300.0	122778
880-64499-5	S-1 (4')	Soluble	Solid	300.0	122778
880-64499-6	S-2 (0-1')	Soluble	Solid	300.0	122778
880-64499-7	S-2 (1.5')	Soluble	Solid	300.0	122778
880-64499-8	S-2 (2')	Soluble	Solid	300.0	122778
880-64499-9	S-2 (3')	Soluble	Solid	300.0	122778
880-64499-10	S-2 (4')	Soluble	Solid	300.0	122778
880-64499-11	S-3 (0-1')	Soluble	Solid	300.0	122778
880-64499-12	S-3 (1.5')	Soluble	Solid	300.0	122778
880-64499-13	S-3 (2')	Soluble	Solid	300.0	122778
880-64499-14	S-3 (3')	Soluble	Solid	300.0	122778
MB 880-122778/1-A	Method Blank	Soluble	Solid	300.0	122778

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 122799 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-122778/2-A	Lab Control Sample	Soluble	Solid	300.0	122778
LCSD 880-122778/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	122778
880-64499-5 MS	S-1 (4')	Soluble	Solid	300.0	122778
880-64499-5 MSD	S-1 (4')	Soluble	Solid	300.0	122778

Leach Batch: 122805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64499-15	S-3 (4')	Soluble	Solid	DI Leach	
880-64499-16	S-4 (0-1')	Soluble	Solid	DI Leach	
880-64499-17	S-4 (1.5')	Soluble	Solid	DI Leach	
880-64499-18	S-4 (2')	Soluble	Solid	DI Leach	
880-64499-19	S-4 (3')	Soluble	Solid	DI Leach	
880-64499-20	S-4 (4')	Soluble	Solid	DI Leach	
MB 880-122805/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-122805/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-122805/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-64499-15 MS	S-3 (4')	Soluble	Solid	DI Leach	
880-64499-15 MSD	S-3 (4')	Soluble	Solid	DI Leach	

Analysis Batch: 122822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64499-15	S-3 (4')	Soluble	Solid	300.0	122805
880-64499-16	S-4 (0-1')	Soluble	Solid	300.0	122805
880-64499-17	S-4 (1.5')	Soluble	Solid	300.0	122805
880-64499-18	S-4 (2')	Soluble	Solid	300.0	122805
880-64499-19	S-4 (3')	Soluble	Solid	300.0	122805
880-64499-20	S-4 (4')	Soluble	Solid	300.0	122805
MB 880-122805/1-A	Method Blank	Soluble	Solid	300.0	122805
LCS 880-122805/2-A	Lab Control Sample	Soluble	Solid	300.0	122805
LCSD 880-122805/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	122805
880-64499-15 MS	S-3 (4')	Soluble	Solid	300.0	122805
880-64499-15 MSD	S-3 (4')	Soluble	Solid	300.0	122805

Lab Chronicle

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-64499-1

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

Prep 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	122807	11/04/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122795	11/04/25 22:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122964	11/04/25 22:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			123146	11/04/25 13:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	122775	11/03/25 16:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122802	11/04/25 13:56	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	122778	11/03/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			122799	11/04/25 14:11	CS	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-64499-2

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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	122807	11/04/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122795	11/04/25 22:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122964	11/04/25 22:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			123146	11/04/25 14:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	122775	11/03/25 16:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122802	11/04/25 14:41	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	122778	11/03/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			122799	11/04/25 14:16	CS	EET MID

Client Sample ID: S-1 (2')

Lab Sample ID: 880-64499-3

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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	122807	11/04/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122795	11/04/25 23:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122964	11/04/25 23:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			123146	11/04/25 14:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	122775	11/03/25 16:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122802	11/04/25 14:56	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	122778	11/03/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			122799	11/04/25 14:21	CS	EET MID

Client Sample ID: S-1 (3')

Lab Sample ID: 880-64499-4

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

Prep 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	122807	11/04/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122795	11/04/25 23:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122964	11/04/25 23:33	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

Client Sample ID: S-1 (3')

Lab Sample ID: 880-64499-4

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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			123146	11/04/25 15:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	122775	11/03/25 16:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122802	11/04/25 15:11	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	122778	11/03/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			122799	11/04/25 14:27	CS	EET MID

Client Sample ID: S-1 (4')

Lab Sample ID: 880-64499-5

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

Prep 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	122807	11/04/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122795	11/04/25 23:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122964	11/04/25 23:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			123146	11/04/25 15:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	122775	11/03/25 16:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122802	11/04/25 15:26	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	122778	11/03/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			122799	11/04/25 15:03	CS	EET MID

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

Lab Sample ID: 880-64499-6

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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	122807	11/04/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122795	11/05/25 00:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122964	11/05/25 00:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			123146	11/04/25 15:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	122775	11/03/25 16:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122802	11/04/25 15:42	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	122778	11/03/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			122799	11/04/25 15:19	CS	EET MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-64499-7

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

Prep 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	122807	11/04/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122795	11/05/25 00:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122964	11/05/25 00:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			123146	11/04/25 15:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	122775	11/03/25 16:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122802	11/04/25 15:57	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-64499-7

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	122778	11/03/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			122799	11/04/25 15:24	CS	EET MID

Client Sample ID: S-2 (2')

Lab Sample ID: 880-64499-8

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

Prep 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	122807	11/04/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122795	11/05/25 00:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122964	11/05/25 00:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			123146	11/04/25 16:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	122775	11/03/25 16:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122802	11/04/25 16:12	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	122778	11/03/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			122799	11/04/25 15:40	CS	EET MID

Client Sample ID: S-2 (3')

Lab Sample ID: 880-64499-9

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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	122807	11/04/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122795	11/05/25 01:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122964	11/05/25 01:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			123146	11/04/25 16:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	122775	11/03/25 16:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122802	11/04/25 16:27	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	122778	11/03/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			122799	11/04/25 15:45	CS	EET MID

Client Sample ID: S-2 (4')

Lab Sample ID: 880-64499-10

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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	122807	11/04/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122795	11/05/25 01:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122964	11/05/25 01:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			123146	11/04/25 16:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	122775	11/03/25 16:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122802	11/04/25 16:42	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	122778	11/03/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			122799	11/04/25 15:50	CS	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-64499-11

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

Prep 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	122807	11/04/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122795	11/05/25 03:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122964	11/05/25 03:09	SA	EET MID
Total/NA	Analysis	8015 NM		1			123146	11/04/25 17:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	122775	11/03/25 16:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122802	11/04/25 17:13	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	122778	11/03/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			122799	11/04/25 16:32	CS	EET MID

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-64499-12

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

Prep 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	122807	11/04/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122795	11/05/25 03:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122964	11/05/25 03:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			123146	11/04/25 17:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	122775	11/03/25 16:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122802	11/04/25 17:29	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	122778	11/03/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			122799	11/04/25 16:38	CS	EET MID

Client Sample ID: S-3 (2')

Lab Sample ID: 880-64499-13

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

Prep 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	122807	11/04/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122795	11/05/25 03:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122964	11/05/25 03:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			123146	11/04/25 17:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	122775	11/03/25 16:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122802	11/04/25 17:44	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	122778	11/03/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			122799	11/04/25 16:43	CS	EET MID

Client Sample ID: S-3 (3')

Lab Sample ID: 880-64499-14

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

Prep 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	122807	11/04/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122795	11/05/25 04:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122964	11/05/25 04:10	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

Client Sample ID: S-3 (3')

Lab Sample ID: 880-64499-14

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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			123146	11/04/25 17:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	122775	11/03/25 16:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122802	11/04/25 17:59	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	122778	11/03/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			122799	11/04/25 16:48	CS	EET MID

Client Sample ID: S-3 (4')

Lab Sample ID: 880-64499-15

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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	122807	11/04/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122795	11/05/25 04:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122964	11/05/25 04:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			123146	11/04/25 18:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	122775	11/03/25 16:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122802	11/04/25 18:14	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	122805	11/04/25 08:47	SI	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	122822	11/04/25 11:12	CS	EET MID

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

Lab Sample ID: 880-64499-16

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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	122807	11/04/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122795	11/05/25 04:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122964	11/05/25 04:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			123146	11/04/25 18:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	122775	11/03/25 16:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122802	11/04/25 18:29	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	122805	11/04/25 08:47	SI	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	122822	11/04/25 11:28	CS	EET MID

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-64499-17

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

Prep 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	122807	11/04/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122795	11/05/25 05:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122964	11/05/25 05:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			123146	11/04/25 18:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	122775	11/03/25 16:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122802	11/04/25 18:44	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
 SDG: Lea County, New Mexico

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-64499-17

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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	122805	11/04/25 08:47	SI	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	122822	11/04/25 11:33	CS	EET MID

Client Sample ID: S-4 (2')

Lab Sample ID: 880-64499-18

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

Prep 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	122807	11/04/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122795	11/05/25 05:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122964	11/05/25 05:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			123146	11/04/25 19:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	122775	11/03/25 16:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122802	11/04/25 19:00	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	122805	11/04/25 08:47	SI	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	122822	11/04/25 11:39	CS	EET MID

Client Sample ID: S-4 (3')

Lab Sample ID: 880-64499-19

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

Prep 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	122807	11/04/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122795	11/05/25 05:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122964	11/05/25 05:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			123146	11/04/25 19:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	122775	11/03/25 16:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122802	11/04/25 19:15	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	122805	11/04/25 08:47	SI	EET MID
Soluble	Analysis	300.0		1			122822	11/04/25 11:44	CS	EET MID

Client Sample ID: S-4 (4')

Lab Sample ID: 880-64499-20

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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	122807	11/04/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122795	11/05/25 06:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122964	11/05/25 06:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			123146	11/04/25 19:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	122775	11/03/25 16:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122802	11/04/25 19:30	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	122805	11/04/25 08:47	SI	EET MID
Soluble	Analysis	300.0		1			122822	11/04/25 12:00	CS	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
SDG: Lea County, New Mexico

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: Eider 35 Fed 501 H

Job ID: 880-64499-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

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

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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Method Summary

Client: Carmona Resources
Project/Site: Eider 35 Fed 501 H

Job ID: 880-64499-1
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: Eider 35 Fed 501 H

Job ID: 880-64499-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-64499-1	S-1 (0-1')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico
880-64499-2	S-1 (1.5')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico
880-64499-3	S-1 (2')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico
880-64499-4	S-1 (3')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico
880-64499-5	S-1 (4')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico
880-64499-6	S-2 (0-1')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico
880-64499-7	S-2 (1.5')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico
880-64499-8	S-2 (2')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico
880-64499-9	S-2 (3')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico
880-64499-10	S-2 (4')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico
880-64499-11	S-3 (0-1')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico
880-64499-12	S-3 (1.5')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico
880-64499-13	S-3 (2')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico
880-64499-14	S-3 (3')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico
880-64499-15	S-3 (4')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico
880-64499-16	S-4 (0-1')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico
880-64499-17	S-4 (1.5')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico
880-64499-18	S-4 (2')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico
880-64499-19	S-4 (3')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico
880-64499-20	S-4 (4')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico

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Chain of Custody



880-64499 Chain of Custody

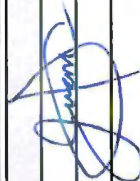
Page 1 of 2


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

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

Project Name:		Elder 35 Fed 501 H		Turn Around		ANALYSIS REQUEST		Preservative Codes	
Project Number:		3043		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code		None: NO DI Water: H ₂ O	
Project Location		Lea County, New Mexico		Due Date: 72 Hour TAT		Parameters		Cool: Cool MeOH: Me	
Sampler's Name:		JR		Wet Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		# of Cont		HCL: HC HNO ₃ : HN	
PO #:				Thermometer ID:		Soil		H ₂ SO ₄ : H ₂ NaOH: Na	
SAMPLE RECEIPT		Temp Blank: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Wet Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Grab/Comp		H ₃ PO ₄ : HP	
Received Intact:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID:		Water		NaHSO ₄ : NABIS	
Cooler Custody Seals:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Correction Factor:		Soil		Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Temperature Reading:		Water		Zn Acetate+NaOH: Zn	
Total Containers:		N/A		Corrected Temperature:		Soil		NaOH+Ascorbic Acid: SACP	
		-9.9				Water			
		-9.0				Water			
Sample Identification		Date		Time		Soil		Sample Comments	
S-1 (0-1')	10/30/2025				X	X	X		
S-1 (1.5')	10/30/2025				X	X	X		
S-1 (2')	10/30/2025				X	X	X		
S-1 (3')	10/30/2025				X	X	X		
S-1 (4')	10/30/2025				X	X	X		
S-2 (0-1')	10/30/2025				X	X	X		
S-2 (1.5')	10/30/2025				X	X	X		
S-2 (2')	10/30/2025				X	X	X		
S-2 (3')	10/30/2025				X	X	X		
S-2 (4')	10/30/2025				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 11/3/25 5:48



Chain of Custody

Work Order No: _____

Page 2 of 2

Project Manager: Conner Moehring	Bill to: (if different) Carmona Resources
Company Name: Carmona Resources	Company Name:
Address: 310 W Wall St Ste 500	Address:
City, State ZIP: Midland, TX 79701	City, State ZIP:
Phone: 432-813-8823	Email: mcarmona@carmonaresources.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Upperfund <input type="checkbox"/>	State of Project:
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters		Pres. Code	ANALYSIS REQUEST										Preservative Codes			
							Temp Blank:	Yes		No	Wet Ice:	Yes	No										
S-3 (0-1')	10/30/2025		X		G	1	Temp Blank:	Yes	No	Wet Ice:	Yes	No											None: NO DI Water: H ₂ O
S-3 (1.5')	10/30/2025		X		G	1	Thermometer ID:																Cool: Cool MeOH: Me
S-3 (2')	10/30/2025		X		G	1	Correction Factor:																HCL: HC HNO ₃ : HN
S-3 (3')	10/30/2025		X		G	1	Temperature Reading:																H ₂ SO ₄ : H ₂ NaOH: Na
S-3 (4')	10/30/2025		X		G	1	Corrected Temperature:																H ₃ PO ₄ : HP NaHSO ₄ : NABIS
S-4 (0-1')	10/30/2025		X		G	1																	Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn
S-4 (1.5')	10/30/2025		X		G	1																	NaOH+Ascorbic Acid: SAPC
S-4 (2')	10/30/2025		X		G	1																	
S-4 (3')	10/30/2025		X		G	1																	
S-4 (4')	10/30/2025		X		G	1																	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			
			11/3/25 15:15



Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-64499-1
SDG Number: Lea County, New Mexico

Login Number: 64499

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	

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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/5/2025 3:12:47 PM

JOB DESCRIPTION

Eider 35 Fed 501 H
 Lea County, New Mexico

JOB NUMBER

880-64498-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



Generated
11/5/2025 3:12:47 PM

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

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Client: Carmona Resources
Project/Site: Eider 35 Fed 501 H

Laboratory Job ID: 880-64498-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64498-1
 SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Eider 35 Fed 501 H

Job ID: 880-64498-1

Job ID: 880-64498-1

Eurofins Midland

Job Narrative 880-64498-1

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

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

Receipt

The samples were received on 11/3/2025 3:48 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 -7.0°C.

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCSD 880-122780/2-A). 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 surrogate recovery for the blank associated with preparation batch 880-122692 and analytical batch 880-122800 was outside the control limits.

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 880-122778 and analytical batch 880-122799 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.

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Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64498-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-64498-1

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/03/25 16:21	11/04/25 11:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/03/25 16:21	11/04/25 11:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/03/25 16:21	11/04/25 11:37	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		11/03/25 16:21	11/04/25 11:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/03/25 16:21	11/04/25 11:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/03/25 16:21	11/04/25 11:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	11/03/25 16:21	11/04/25 11:37	1
1,4-Difluorobenzene (Surr)	98		70 - 130	11/03/25 16:21	11/04/25 11:37	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			11/04/25 11:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/04/25 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/25 08:26	11/04/25 15:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/25 08:26	11/04/25 15:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/25 08:26	11/04/25 15:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130	11/03/25 08:26	11/04/25 15:26	1
o-Terphenyl (Surr)	92		70 - 130	11/03/25 08:26	11/04/25 15:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180	F1	9.96		mg/Kg			11/04/25 12:47	1

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

Lab Sample ID: 880-64498-2

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/03/25 16:21	11/04/25 17:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/03/25 16:21	11/04/25 17:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/03/25 16:21	11/04/25 17:02	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		11/03/25 16:21	11/04/25 17:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/03/25 16:21	11/04/25 17:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/03/25 16:21	11/04/25 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	11/03/25 16:21	11/04/25 17:02	1
1,4-Difluorobenzene (Surr)	117		70 - 130	11/03/25 16:21	11/04/25 17:02	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64498-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-64498-2

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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			11/04/25 17:02	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			11/04/25 15:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/03/25 08:26	11/04/25 15:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/03/25 08:26	11/04/25 15:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/03/25 08:26	11/04/25 15:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130				11/03/25 08:26	11/04/25 15:42	1
o-Terphenyl (Surr)	94		70 - 130				11/03/25 08:26	11/04/25 15:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	175		9.92		mg/Kg			11/04/25 13:03	1

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

Lab Sample ID: 880-64498-3

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/03/25 16:21	11/04/25 17:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/03/25 16:21	11/04/25 17:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/03/25 16:21	11/04/25 17:22	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		11/03/25 16:21	11/04/25 17:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/03/25 16:21	11/04/25 17:22	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/03/25 16:21	11/04/25 17:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				11/03/25 16:21	11/04/25 17:22	1
1,4-Difluorobenzene (Surr)	109		70 - 130				11/03/25 16:21	11/04/25 17:22	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			11/04/25 17:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/04/25 15:57	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		11/03/25 08:26	11/04/25 15:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/03/25 08:26	11/04/25 15:57	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64498-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-64498-3

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/03/25 08:26	11/04/25 15:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130				11/03/25 08:26	11/04/25 15:57	1
o-Terphenyl (Surr)	93		70 - 130				11/03/25 08:26	11/04/25 15:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	168		9.96		mg/Kg			11/04/25 13:39	1

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

Lab Sample ID: 880-64498-4

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/03/25 16:21	11/04/25 17:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/03/25 16:21	11/04/25 17:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/03/25 16:21	11/04/25 17:43	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/03/25 16:21	11/04/25 17:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/03/25 16:21	11/04/25 17:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/03/25 16:21	11/04/25 17:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				11/03/25 16:21	11/04/25 17:43	1
1,4-Difluorobenzene (Surr)	106		70 - 130				11/03/25 16:21	11/04/25 17:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/04/25 17:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/04/25 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/25 08:26	11/04/25 16:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/25 08:26	11/04/25 16:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/25 08:26	11/04/25 16:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130				11/03/25 08:26	11/04/25 16:12	1
o-Terphenyl (Surr)	104		70 - 130				11/03/25 08:26	11/04/25 16:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	161		9.98		mg/Kg			11/04/25 13:45	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64498-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-64498-5

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/03/25 16:21	11/04/25 18:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/03/25 16:21	11/04/25 18:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/03/25 16:21	11/04/25 18:03	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		11/03/25 16:21	11/04/25 18:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/03/25 16:21	11/04/25 18:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/03/25 16:21	11/04/25 18:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	11/03/25 16:21	11/04/25 18:03	1
1,4-Difluorobenzene (Surr)	106		70 - 130	11/03/25 16:21	11/04/25 18:03	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			11/04/25 18:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/04/25 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/03/25 08:26	11/04/25 16:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/03/25 08:26	11/04/25 16:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/03/25 08:26	11/04/25 16:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130	11/03/25 08:26	11/04/25 16:27	1
o-Terphenyl (Surr)	105		70 - 130	11/03/25 08:26	11/04/25 16:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	171		9.94		mg/Kg			11/04/25 13:50	1

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

Lab Sample ID: 880-64498-6

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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		11/03/25 16:21	11/04/25 18:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/03/25 16:21	11/04/25 18:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/03/25 16:21	11/04/25 18:24	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		11/03/25 16:21	11/04/25 18:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/03/25 16:21	11/04/25 18:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/03/25 16:21	11/04/25 18:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	11/03/25 16:21	11/04/25 18:24	1
1,4-Difluorobenzene (Surr)	107		70 - 130	11/03/25 16:21	11/04/25 18:24	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64498-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-64498-6

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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			11/04/25 18:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/04/25 16:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/03/25 08:26	11/04/25 16:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/03/25 08:26	11/04/25 16:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/03/25 08:26	11/04/25 16:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	86		70 - 130				11/03/25 08:26	11/04/25 16:42	1
o-Terphenyl (Surr)	91		70 - 130				11/03/25 08:26	11/04/25 16:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	157		9.92		mg/Kg			11/04/25 14:06	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Eider 35 Fed 501 H

Job ID: 880-64498-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-64498-1	H-1 (0-0.5')	113	98
880-64498-1 MS	H-1 (0-0.5')	119	124
880-64498-1 MSD	H-1 (0-0.5')	109	129
880-64498-2	H-2 (0-0.5')	117	117
880-64498-3	H-3 (0-0.5')	113	109
880-64498-4	H-4 (0-0.5')	120	106
880-64498-5	H-5 (0-0.5')	113	106
880-64498-6	H-6 (0-0.5')	110	107
LCS 880-122780/1-A	Lab Control Sample	108	128
LCSD 880-122780/2-A	Lab Control Sample Dup	105	146 S1+
MB 880-122780/5-A	Method Blank	113	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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-64498-1	H-1 (0-0.5')	87	92
880-64498-2	H-2 (0-0.5')	90	94
880-64498-3	H-3 (0-0.5')	87	93
880-64498-4	H-4 (0-0.5')	100	104
880-64498-5	H-5 (0-0.5')	102	105
880-64498-6	H-6 (0-0.5')	86	91
890-9006-A-12-C MS	Matrix Spike	86	97
890-9006-A-12-D MSD	Matrix Spike Duplicate	117	105
LCS 880-122692/2-A	Lab Control Sample	79	91
LCSD 880-122692/3-A	Lab Control Sample Dup	96	91
MB 880-122692/1-A	Method Blank	64 S1-	69 S1-

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64498-1
 SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-122780/5-A
 Matrix: Solid
 Analysis Batch: 122797

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 122780

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/03/25 16:21	11/04/25 11:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/03/25 16:21	11/04/25 11:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/03/25 16:21	11/04/25 11:15	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		11/03/25 16:21	11/04/25 11:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/03/25 16:21	11/04/25 11:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/03/25 16:21	11/04/25 11:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	11/03/25 16:21	11/04/25 11:15	1
1,4-Difluorobenzene (Surr)	95		70 - 130	11/03/25 16:21	11/04/25 11:15	1

Lab Sample ID: LCS 880-122780/1-A
 Matrix: Solid
 Analysis Batch: 122797

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 122780

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1172		mg/Kg		117	70 - 130
Toluene	0.100	0.09920		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1078		mg/Kg		108	70 - 130
m,p-Xylenes	0.200	0.2267		mg/Kg		113	70 - 130
o-Xylene	0.100	0.1141		mg/Kg		114	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	128		70 - 130

Lab Sample ID: LCSD 880-122780/2-A
 Matrix: Solid
 Analysis Batch: 122797

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 122780

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1207		mg/Kg		121	70 - 130	3	35
Toluene	0.100	0.1032		mg/Kg		103	70 - 130	4	35
Ethylbenzene	0.100	0.1169		mg/Kg		117	70 - 130	8	35
m,p-Xylenes	0.200	0.2504		mg/Kg		125	70 - 130	10	35
o-Xylene	0.100	0.1260		mg/Kg		126	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	146	S1+	70 - 130

Lab Sample ID: 880-64498-1 MS
 Matrix: Solid
 Analysis Batch: 122797

Client Sample ID: H-1 (0-0.5')
 Prep Type: Total/NA
 Prep Batch: 122780

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1011		mg/Kg		101	70 - 130
Toluene	<0.00200	U	0.100	0.08808		mg/Kg		88	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64498-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-64498-1 MS
 Matrix: Solid
 Analysis Batch: 122797

Client Sample ID: H-1 (0-0.5')
 Prep Type: Total/NA
 Prep Batch: 122780

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00200	U	0.100	0.1007		mg/Kg		101	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.2116		mg/Kg		106	70 - 130
o-Xylene	<0.00200	U	0.100	0.1068		mg/Kg		107	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	124		70 - 130

Lab Sample ID: 880-64498-1 MSD
 Matrix: Solid
 Analysis Batch: 122797

Client Sample ID: H-1 (0-0.5')
 Prep Type: Total/NA
 Prep Batch: 122780

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U	0.100	0.1037		mg/Kg		104	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.09028		mg/Kg		90	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.1059		mg/Kg		106	70 - 130	5	35
m,p-Xylenes	<0.00399	U	0.200	0.2199		mg/Kg		110	70 - 130	4	35
o-Xylene	<0.00200	U	0.100	0.1105		mg/Kg		111	70 - 130	3	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	129		70 - 130

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

Lab Sample ID: MB 880-122692/1-A
 Matrix: Solid
 Analysis Batch: 122800

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 122692

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/03/25 08:25	11/04/25 04:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/03/25 08:25	11/04/25 04:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/03/25 08:25	11/04/25 04:26	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	64	S1-	70 - 130	11/03/25 08:25	11/04/25 04:26	1
o-Terphenyl (Surr)	69	S1-	70 - 130	11/03/25 08:25	11/04/25 04:26	1

Lab Sample ID: LCS 880-122692/2-A
 Matrix: Solid
 Analysis Batch: 122800

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 122692

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	1116		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)	1000	990.8		mg/Kg		99	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64498-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-122692/2-A
Matrix: Solid
Analysis Batch: 122800

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 122692

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	79		70 - 130
o-Terphenyl (Surr)	91		70 - 130

Lab Sample ID: LCSD 880-122692/3-A
Matrix: Solid
Analysis Batch: 122800

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 122692

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	1100		mg/Kg		110	70 - 130	1		20
Diesel Range Organics (Over C10-C28)	1000	895.7		mg/Kg		90	70 - 130	10		20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	96		70 - 130
o-Terphenyl (Surr)	91		70 - 130

Lab Sample ID: 890-9006-A-12-C MS
Matrix: Solid
Analysis Batch: 122800

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 122692

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	971.0		mg/Kg		95	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	909.5		mg/Kg		91	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	86		70 - 130
o-Terphenyl (Surr)	97		70 - 130

Lab Sample ID: 890-9006-A-12-D MSD
Matrix: Solid
Analysis Batch: 122800

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 122692

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1086		mg/Kg		107	70 - 130	11		20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	958.2		mg/Kg		96	70 - 130	5		20

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	117		70 - 130
o-Terphenyl (Surr)	105		70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64498-1
 SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-122778/1-A
 Matrix: Solid
 Analysis Batch: 122799

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			11/04/25 12:31	1

Lab Sample ID: LCS 880-122778/2-A
 Matrix: Solid
 Analysis Batch: 122799

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	233.8		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-122778/3-A
 Matrix: Solid
 Analysis Batch: 122799

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	235.4		mg/Kg		94	90 - 110	1	20

Lab Sample ID: 880-64498-1 MS
 Matrix: Solid
 Analysis Batch: 122799

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	180	F1	249	392.8	F1	mg/Kg		86	90 - 110

Lab Sample ID: 880-64498-1 MSD
 Matrix: Solid
 Analysis Batch: 122799

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	180	F1	249	395.6	F1	mg/Kg		87	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64498-1
 SDG: Lea County, New Mexico

GC VOA

Prep Batch: 122780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64498-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-64498-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-64498-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-64498-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-64498-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-64498-6	H-6 (0-0.5')	Total/NA	Solid	5035	
MB 880-122780/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-122780/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-122780/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-64498-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-64498-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 122797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64498-1	H-1 (0-0.5')	Total/NA	Solid	8021B	122780
880-64498-2	H-2 (0-0.5')	Total/NA	Solid	8021B	122780
880-64498-3	H-3 (0-0.5')	Total/NA	Solid	8021B	122780
880-64498-4	H-4 (0-0.5')	Total/NA	Solid	8021B	122780
880-64498-5	H-5 (0-0.5')	Total/NA	Solid	8021B	122780
880-64498-6	H-6 (0-0.5')	Total/NA	Solid	8021B	122780
MB 880-122780/5-A	Method Blank	Total/NA	Solid	8021B	122780
LCS 880-122780/1-A	Lab Control Sample	Total/NA	Solid	8021B	122780
LCSD 880-122780/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	122780
880-64498-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	122780
880-64498-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	122780

Analysis Batch: 122903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64498-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-64498-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-64498-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-64498-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-64498-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-64498-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 122692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64498-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-64498-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-64498-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-64498-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-64498-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-64498-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-122692/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-122692/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-122692/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9006-A-12-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-9006-A-12-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64498-1
 SDG: Lea County, New Mexico

GC Semi VOA

Analysis Batch: 122800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64498-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	122692
880-64498-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	122692
880-64498-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	122692
880-64498-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	122692
880-64498-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	122692
880-64498-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	122692
MB 880-122692/1-A	Method Blank	Total/NA	Solid	8015B NM	122692
LCS 880-122692/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	122692
LCSD 880-122692/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	122692
890-9006-A-12-C MS	Matrix Spike	Total/NA	Solid	8015B NM	122692
890-9006-A-12-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	122692

Analysis Batch: 123029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64498-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-64498-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-64498-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-64498-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-64498-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-64498-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 122778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64498-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-64498-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-64498-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-64498-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-64498-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-64498-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-122778/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-122778/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-122778/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-64498-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-64498-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 122799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64498-1	H-1 (0-0.5')	Soluble	Solid	300.0	122778
880-64498-2	H-2 (0-0.5')	Soluble	Solid	300.0	122778
880-64498-3	H-3 (0-0.5')	Soluble	Solid	300.0	122778
880-64498-4	H-4 (0-0.5')	Soluble	Solid	300.0	122778
880-64498-5	H-5 (0-0.5')	Soluble	Solid	300.0	122778
880-64498-6	H-6 (0-0.5')	Soluble	Solid	300.0	122778
MB 880-122778/1-A	Method Blank	Soluble	Solid	300.0	122778
LCS 880-122778/2-A	Lab Control Sample	Soluble	Solid	300.0	122778
LCSD 880-122778/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	122778
880-64498-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	122778
880-64498-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	122778

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64498-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-64498-1

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

Prep 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	122780	11/03/25 16:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122797	11/04/25 11:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122903	11/04/25 11:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			123029	11/04/25 15:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	122692	11/03/25 08:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122800	11/04/25 15:26	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	122778	11/03/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			122799	11/04/25 12:47	CS	EET MID

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

Lab Sample ID: 880-64498-2

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

Prep 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	122780	11/03/25 16:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122797	11/04/25 17:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122903	11/04/25 17:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			123029	11/04/25 15:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	122692	11/03/25 08:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122800	11/04/25 15:42	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	122778	11/03/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			122799	11/04/25 13:03	CS	EET MID

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

Lab Sample ID: 880-64498-3

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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	122780	11/03/25 16:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122797	11/04/25 17:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122903	11/04/25 17:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			123029	11/04/25 15:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	122692	11/03/25 08:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122800	11/04/25 15:57	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	122778	11/03/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			122799	11/04/25 13:39	CS	EET MID

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

Lab Sample ID: 880-64498-4

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

Prep 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	122780	11/03/25 16:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122797	11/04/25 17:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122903	11/04/25 17:43	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64498-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-64498-4

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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			123029	11/04/25 16:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	122692	11/03/25 08:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122800	11/04/25 16:12	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	122778	11/03/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			122799	11/04/25 13:45	CS	EET MID

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

Lab Sample ID: 880-64498-5

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

Prep 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	122780	11/03/25 16:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122797	11/04/25 18:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122903	11/04/25 18:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			123029	11/04/25 16:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	122692	11/03/25 08:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122800	11/04/25 16:27	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	122778	11/03/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			122799	11/04/25 13:50	CS	EET MID

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

Lab Sample ID: 880-64498-6

Date Collected: 10/30/25 00:00

Matrix: Solid

Date Received: 11/03/25 15:48

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	122780	11/03/25 16:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122797	11/04/25 18:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122903	11/04/25 18:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			123029	11/04/25 16:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	122692	11/03/25 08:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122800	11/04/25 16:42	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	122778	11/03/25 16:17	SA	EET MID
Soluble	Analysis	300.0		1			122799	11/04/25 14:06	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Eider 35 Fed 501 H

Job ID: 880-64498-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

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

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
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Method Summary

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-64498-1
 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

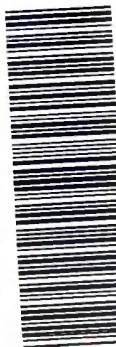
Client: Carmona Resources
Project/Site: Eider 35 Fed 501 H

Job ID: 880-64498-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-64498-1	H-1 (0-0.5')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico
880-64498-2	H-2 (0-0.5')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico
880-64498-3	H-3 (0-0.5')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico
880-64498-4	H-4 (0-0.5')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico
880-64498-5	H-5 (0-0.5')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico
880-64498-6	H-6 (0-0.5')	Solid	10/30/25 00:00	11/03/25 15:48	New Mexico

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Chain of Custody



890-64498 Chain of Custody

Page 1 of 1

Project Manager: Conner Moehring
Company Name: Carmona Resources
Address: 310 W Wall St Ste 500
 Midland, TX 79701
Phone: 432-813-6823
Email: mcarmona@carmonaresources.com

Bill to: (if different)
Company Name: Carmona Resources
Address:
City, State ZIP:

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

ANALYSIS REQUEST									
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters		Pres. Code
							TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	
H-1 (0.0.5')	10/30/2025		X		G	1			
H-2 (0.0.5')	10/30/2025		X		G	1			
H-3 (0.0.5')	10/30/2025		X		G	1			
H-4 (0.0.5')	10/30/2025		X		G	1			
H-5 (0.0.5')	10/30/2025		X		G	1			
H-6 (0.0.5')	10/30/2025		X		G	1			


Project Name: Eider 35 Fed 501 H
Project Number: 3043
Project Location: Lea County, New Mexico
Sampler's Name: JR
PO #:

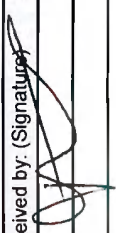
SAMPLE RECEIPT
 Received Intact: Yes No
 Cooler Custody Seals: Yes No
 Sample Custody Seals: Yes No
 Total Containers:

Turn Around:
 Routine Rush
 Due Date: 72 Hour TAT
 Wet Ice: Yes No
 Thermometer ID:
 Correction Factor:
 Temperature Reading:
 Corrected Temperature:

Preservative Codes
 None: NO
 DI Water: H₂O
 Cool: MeOH; Me
 HCL: HC
 H₂SO₄; H₂
 H₃PO₄; HP
 NaHSO₄; NABIS
 Na₂S₂O₃; NaSO₃
 Zn Acetate+NaOH; Zn
 NaOH+Ascorbic Acid; SAPC

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

Relinquished by: (Signature) 

Received by: (Signature) 

Date/Time 11/5/2025



Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-64498-1
 SDG Number: Lea County, New Mexico

Login Number: 64498

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	

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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 12/11/2025 4:48:01 PM

JOB DESCRIPTION

Eider 35 Fed 501 H
 Lea County New Mexico

JOB NUMBER

880-65875-1

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
12/11/2025 4:48:01 PM

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

Client: Carmona Resources
Project/Site: Eider 35 Fed 501 H

Laboratory Job ID: 880-65875-1
SDG: Lea County New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
*	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD 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: Eider 35 Fed 501 H

Job ID: 880-65875-1

Job ID: 880-65875-1

Eurofins Midland

Job Narrative 880-65875-1

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

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

Receipt

The samples were received on 12/8/2025 2:33 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -10.1°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (Surface) (880-65875-1), CS-2 (Surface) (880-65875-2), CS-3 (Surface) (880-65875-3), CS-4 (Surface) (880-65875-4), CS-5 (Surface) (880-65875-5), CS-6 (Surface) (880-65875-6), CS-7 (Surface) (880-65875-7), CS-8 (Surface) (880-65875-8), CS-9 (Surface) (880-65875-9), CS-10 (Surface) (880-65875-10), CS-11 (Surface) (880-65875-11) and CS-12 (Surface) (880-65875-12).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-125744 and 880-126031 and analytical batch 880-126051 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-4 (Surface) (880-65875-4), CS-5 (Surface) (880-65875-5), CS-6 (Surface) (880-65875-6), CS-11 (Surface) (880-65875-11) and CS-12 (Surface) (880-65875-12). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-125837/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-125837/2-A) and (LCSD 880-125837/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-2 (Surface) (880-65875-2), CS-3 (Surface) (880-65875-3) and (880-65815-A-21-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS-1 (Surface) (880-65875-1). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-65815-A-21-B MS) and (880-65815-A-21-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS-4 (Surface) (880-65875-4). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-126018/2-A), (LCSD 880-126018/3-A), (880-65875-A-4-B MS) and (880-65875-A-4-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Eider 35 Fed 501 H

Job ID: 880-65875-1

Job ID: 880-65875-1 (Continued)

Eurofins Midland

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-5 (Surface) (880-65875-5), CS-6 (Surface) (880-65875-6), CS-7 (Surface) (880-65875-7), CS-8 (Surface) (880-65875-8), CS-9 (Surface) (880-65875-9), CS-10 (Surface) (880-65875-10), CS-12 (Surface) (880-65875-12) and (MB 880-126018/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The laboratory control sample (LCS) associated with preparation batch 880-126021 and analytical batch 880-126118 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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



Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
 SDG: Lea County New Mexico

Client Sample ID: CS-1 (Surface)

Lab Sample ID: 880-65875-1

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 11:41	12/10/25 02:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 11:41	12/10/25 02:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 11:41	12/10/25 02:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 11:41	12/10/25 02:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 11:41	12/10/25 02:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 11:41	12/10/25 02:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	12/09/25 11:41	12/10/25 02:21	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/09/25 11:41	12/10/25 02:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/10/25 02:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/25 05:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/25 19:31	12/09/25 05:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/25 19:31	12/09/25 05:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/25 19:31	12/09/25 05:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	138	S1+	70 - 130	12/05/25 19:31	12/09/25 05:50	1
o-Terphenyl (Surr)	142	S1+	70 - 130	12/05/25 19:31	12/09/25 05:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.1	*- *1	9.96		mg/Kg			12/10/25 15:28	1

Client Sample ID: CS-2 (Surface)

Lab Sample ID: 880-65875-2

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/09/25 11:41	12/10/25 02:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 11:41	12/10/25 02:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 11:41	12/10/25 02:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 11:41	12/10/25 02:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 11:41	12/10/25 02:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 11:41	12/10/25 02:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	12/09/25 11:41	12/10/25 02:42	1
1,4-Difluorobenzene (Surr)	116		70 - 130	12/09/25 11:41	12/10/25 02:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
 SDG: Lea County New Mexico

Client Sample ID: CS-2 (Surface)

Lab Sample ID: 880-65875-2

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/10/25 02:42	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			12/09/25 06:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/05/25 19:31	12/09/25 06:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/05/25 19:31	12/09/25 06:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/05/25 19:31	12/09/25 06:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	147	S1+	70 - 130				12/05/25 19:31	12/09/25 06:05	1
o-Terphenyl (Surr)	126		70 - 130				12/05/25 19:31	12/09/25 06:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.2	*- *1	9.92		mg/Kg			12/10/25 15:43	1

Client Sample ID: CS-3 (Surface)

Lab Sample ID: 880-65875-3

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/09/25 11:41	12/10/25 03:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/09/25 11:41	12/10/25 03:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/09/25 11:41	12/10/25 03:02	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/09/25 11:41	12/10/25 03:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/09/25 11:41	12/10/25 03:02	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/09/25 11:41	12/10/25 03:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				12/09/25 11:41	12/10/25 03:02	1
1,4-Difluorobenzene (Surr)	109		70 - 130				12/09/25 11:41	12/10/25 03:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/10/25 03:02	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			12/09/25 06:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/25 19:31	12/09/25 06:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/25 19:31	12/09/25 06:18	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
 SDG: Lea County New Mexico

Client Sample ID: CS-3 (Surface)

Lab Sample ID: 880-65875-3

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/25 19:31	12/09/25 06:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	139	S1+	70 - 130				12/05/25 19:31	12/09/25 06:18	1
o-Terphenyl (Surr)	116		70 - 130				12/05/25 19:31	12/09/25 06:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.1	*- *1	9.94		mg/Kg			12/10/25 15:48	1

Client Sample ID: CS-4 (Surface)

Lab Sample ID: 880-65875-4

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/09/25 11:41	12/10/25 03:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 11:41	12/10/25 03:23	1
Ethylbenzene	0.00233		0.00199		mg/Kg		12/09/25 11:41	12/10/25 03:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 11:41	12/10/25 03:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 11:41	12/10/25 03:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 11:41	12/10/25 03:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				12/09/25 11:41	12/10/25 03:23	1
1,4-Difluorobenzene (Surr)	115		70 - 130				12/09/25 11:41	12/10/25 03:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/10/25 03:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/25 17:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/08/25 19:44	12/09/25 17:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 19:44	12/09/25 17:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 19:44	12/09/25 17:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	151	S1+	70 - 130				12/08/25 19:44	12/09/25 17:58	1
o-Terphenyl (Surr)	132	S1+	70 - 130				12/08/25 19:44	12/09/25 17:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.7	*- *1	9.98		mg/Kg			12/10/25 15:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
 SDG: Lea County New Mexico

Client Sample ID: CS-5 (Surface)

Lab Sample ID: 880-65875-5

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/09/25 11:41	12/10/25 03:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/09/25 11:41	12/10/25 03:43	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/09/25 11:41	12/10/25 03:43	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/09/25 11:41	12/10/25 03:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/09/25 11:41	12/10/25 03:43	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/09/25 11:41	12/10/25 03:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	12/09/25 11:41	12/10/25 03:43	1
1,4-Difluorobenzene (Surr)	124		70 - 130	12/09/25 11:41	12/10/25 03:43	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			12/10/25 03:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/09/25 18:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/08/25 19:44	12/09/25 18:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 19:44	12/09/25 18:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/25 19:44	12/09/25 18:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	139	S1+	70 - 130	12/08/25 19:44	12/09/25 18:41	1
o-Terphenyl (Surr)	122		70 - 130	12/08/25 19:44	12/09/25 18:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U * - *1	9.94		mg/Kg			12/10/25 15:58	1

Client Sample ID: CS-6 (Surface)

Lab Sample ID: 880-65875-6

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 11:41	12/10/25 04:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 11:41	12/10/25 04:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 11:41	12/10/25 04:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 11:41	12/10/25 04:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 11:41	12/10/25 04:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 11:41	12/10/25 04:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	12/09/25 11:41	12/10/25 04:04	1
1,4-Difluorobenzene (Surr)	121		70 - 130	12/09/25 11:41	12/10/25 04:04	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
 SDG: Lea County New Mexico

Client Sample ID: CS-6 (Surface)

Lab Sample ID: 880-65875-6

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/10/25 04:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/25 18:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/08/25 19:44	12/09/25 18:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 19:44	12/09/25 18:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 19:44	12/09/25 18:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	134	S1+	70 - 130	12/08/25 19:44	12/09/25 18:54	1
o-Terphenyl (Surr)	118		70 - 130	12/08/25 19:44	12/09/25 18:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.4	*- *1	10.1		mg/Kg			12/10/25 16:13	1

Client Sample ID: CS-7 (Surface)

Lab Sample ID: 880-65875-7

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/09/25 11:41	12/10/25 05:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 11:41	12/10/25 05:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 11:41	12/10/25 05:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 11:41	12/10/25 05:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 11:41	12/10/25 05:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 11:41	12/10/25 05:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	12/09/25 11:41	12/10/25 05:54	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/09/25 11:41	12/10/25 05:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/10/25 05:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/25 19:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/08/25 19:44	12/09/25 19:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 19:44	12/09/25 19:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
 SDG: Lea County New Mexico

Client Sample ID: CS-7 (Surface)

Lab Sample ID: 880-65875-7

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 19:44	12/09/25 19:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	142	S1+	70 - 130				12/08/25 19:44	12/09/25 19:10	1
o-Terphenyl (Surr)	126		70 - 130				12/08/25 19:44	12/09/25 19:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.5	*- *1	10.1		mg/Kg			12/10/25 16:17	1

Client Sample ID: CS-8 (Surface)

Lab Sample ID: 880-65875-8

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/09/25 11:41	12/10/25 06:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 11:41	12/10/25 06:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 11:41	12/10/25 06:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 11:41	12/10/25 06:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 11:41	12/10/25 06:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 11:41	12/10/25 06:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				12/09/25 11:41	12/10/25 06:14	1
1,4-Difluorobenzene (Surr)	108		70 - 130				12/09/25 11:41	12/10/25 06:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/10/25 06:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/09/25 19:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/08/25 19:44	12/09/25 19:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 19:44	12/09/25 19:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/25 19:44	12/09/25 19:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	142	S1+	70 - 130				12/08/25 19:44	12/09/25 19:23	1
o-Terphenyl (Surr)	126		70 - 130				12/08/25 19:44	12/09/25 19:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.4	*- *1	10.0		mg/Kg			12/10/25 16:22	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
 SDG: Lea County New Mexico

Client Sample ID: CS-9 (Surface)

Lab Sample ID: 880-65875-9

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/09/25 11:41	12/10/25 06:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 11:41	12/10/25 06:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 11:41	12/10/25 06:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 11:41	12/10/25 06:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 11:41	12/10/25 06:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 11:41	12/10/25 06:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	12/09/25 11:41	12/10/25 06:35	1
1,4-Difluorobenzene (Surr)	106		70 - 130	12/09/25 11:41	12/10/25 06:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/10/25 06:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			12/09/25 19:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		12/08/25 19:44	12/09/25 19:38	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		12/08/25 19:44	12/09/25 19:38	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		12/08/25 19:44	12/09/25 19:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	145	S1+	70 - 130	12/08/25 19:44	12/09/25 19:38	1
o-Terphenyl (Surr)	127		70 - 130	12/08/25 19:44	12/09/25 19:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.6	*- *1	10.1		mg/Kg			12/10/25 16:27	1

Client Sample ID: CS-10 (Surface)

Lab Sample ID: 880-65875-10

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/09/25 11:41	12/10/25 06:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/09/25 11:41	12/10/25 06:55	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/09/25 11:41	12/10/25 06:55	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/09/25 11:41	12/10/25 06:55	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/09/25 11:41	12/10/25 06:55	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/09/25 11:41	12/10/25 06:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	12/09/25 11:41	12/10/25 06:55	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/09/25 11:41	12/10/25 06:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
 SDG: Lea County New Mexico

Client Sample ID: CS-10 (Surface)

Lab Sample ID: 880-65875-10

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

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			12/10/25 06:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/09/25 19:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/08/25 19:44	12/09/25 19:51	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/08/25 19:44	12/09/25 19:51	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/08/25 19:44	12/09/25 19:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	136	S1+	70 - 130	12/08/25 19:44	12/09/25 19:51	1
o-Terphenyl (Surr)	122		70 - 130	12/08/25 19:44	12/09/25 19:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.6	*- *1	9.96		mg/Kg			12/10/25 16:32	1

Client Sample ID: CS-11 (Surface)

Lab Sample ID: 880-65875-11

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 11:41	12/10/25 07:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 11:41	12/10/25 07:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 11:41	12/10/25 07:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 11:41	12/10/25 07:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 11:41	12/10/25 07:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 11:41	12/10/25 07:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130	12/09/25 11:41	12/10/25 07:16	1
1,4-Difluorobenzene (Surr)	115		70 - 130	12/09/25 11:41	12/10/25 07:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/10/25 07:16	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			12/09/25 20:05	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		12/08/25 19:44	12/09/25 20:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 19:44	12/09/25 20:05	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
 SDG: Lea County New Mexico

Client Sample ID: CS-11 (Surface)

Lab Sample ID: 880-65875-11

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 19:44	12/09/25 20:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	129		70 - 130				12/08/25 19:44	12/09/25 20:05	1
o-Terphenyl (Surr)	116		70 - 130				12/08/25 19:44	12/09/25 20:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.9	*- *1	9.98		mg/Kg			12/10/25 16:37	1

Client Sample ID: CS-12 (Surface)

Lab Sample ID: 880-65875-12

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/09/25 11:41	12/10/25 07:37	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/09/25 11:41	12/10/25 07:37	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/09/25 11:41	12/10/25 07:37	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/09/25 11:41	12/10/25 07:37	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/09/25 11:41	12/10/25 07:37	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/09/25 11:41	12/10/25 07:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130				12/09/25 11:41	12/10/25 07:37	1
1,4-Difluorobenzene (Surr)	123		70 - 130				12/09/25 11:41	12/10/25 07:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/10/25 07:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/09/25 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		12/08/25 19:44	12/09/25 20:20	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/08/25 19:44	12/09/25 20:20	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/08/25 19:44	12/09/25 20:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	141	S1+	70 - 130				12/08/25 19:44	12/09/25 20:20	1
o-Terphenyl (Surr)	126		70 - 130				12/08/25 19:44	12/09/25 20:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.8	*- *1	10.0		mg/Kg			12/10/25 16:52	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-65875-1	CS-1 (Surface)	121	111
880-65875-2	CS-2 (Surface)	129	116
880-65875-3	CS-3 (Surface)	123	109
880-65875-4	CS-4 (Surface)	137 S1+	115
880-65875-5	CS-5 (Surface)	139 S1+	124
880-65875-6	CS-6 (Surface)	136 S1+	121
880-65875-7	CS-7 (Surface)	93	102
880-65875-8	CS-8 (Surface)	123	108
880-65875-9	CS-9 (Surface)	111	106
880-65875-10	CS-10 (Surface)	116	111
880-65875-11	CS-11 (Surface)	145 S1+	115
880-65875-12	CS-12 (Surface)	139 S1+	123
890-9164-A-1-C MS	Matrix Spike	98	92
890-9164-A-1-D MSD	Matrix Spike Duplicate	108	106
LCS 880-125744/1-A	Lab Control Sample	90	96
LCSD 880-125744/2-A	Lab Control Sample Dup	94	96
MB 880-125744/5-A	Method Blank	180 S1+	106
MB 880-126031/5-A	Method Blank	180 S1+	102

Surrogate Legend
BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-65815-A-21-B MS	Matrix Spike	155 S1+	125
880-65815-A-21-C MSD	Matrix Spike Duplicate	155 S1+	125
880-65875-1	CS-1 (Surface)	138 S1+	142 S1+
880-65875-2	CS-2 (Surface)	147 S1+	126
880-65875-3	CS-3 (Surface)	139 S1+	116
880-65875-4	CS-4 (Surface)	151 S1+	132 S1+
880-65875-4 MS	CS-4 (Surface)	173 S1+	133 S1+
880-65875-4 MSD	CS-4 (Surface)	174 S1+	136 S1+
880-65875-5	CS-5 (Surface)	139 S1+	122
880-65875-6	CS-6 (Surface)	134 S1+	118
880-65875-7	CS-7 (Surface)	142 S1+	126
880-65875-8	CS-8 (Surface)	142 S1+	126
880-65875-9	CS-9 (Surface)	145 S1+	127
880-65875-10	CS-10 (Surface)	136 S1+	122
880-65875-11	CS-11 (Surface)	129	116
880-65875-12	CS-12 (Surface)	141 S1+	126
LCS 880-125837/2-A	Lab Control Sample	154 S1+	122
LCS 880-126018/2-A	Lab Control Sample	169 S1+	135 S1+
LCSD 880-125837/3-A	Lab Control Sample Dup	156 S1+	124
LCSD 880-126018/3-A	Lab Control Sample Dup	178 S1+	141 S1+
MB 880-125837/1-A	Method Blank	132 S1+	113

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Surrogate Summary

Client: Carmona Resources
Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
SDG: Lea County New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
MB 880-126018/1-A	Method Blank	131 S1+	112

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

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

QC Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
 SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-125744/5-A
 Matrix: Solid
 Analysis Batch: 126051

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 125744

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/08/25 11:41	12/10/25 00:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/08/25 11:41	12/10/25 00:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/08/25 11:41	12/10/25 00:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/08/25 11:41	12/10/25 00:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/08/25 11:41	12/10/25 00:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/08/25 11:41	12/10/25 00:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	180	S1+	70 - 130	12/08/25 11:41	12/10/25 00:31	1
1,4-Difluorobenzene (Surr)	106		70 - 130	12/08/25 11:41	12/10/25 00:31	1

Lab Sample ID: LCS 880-125744/1-A
 Matrix: Solid
 Analysis Batch: 126051

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 125744

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09624		mg/Kg		96	70 - 130
Toluene	0.100	0.08899		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.1026		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.1803		mg/Kg		90	70 - 130
o-Xylene	0.100	0.08936		mg/Kg		89	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-125744/2-A
 Matrix: Solid
 Analysis Batch: 126051

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 125744

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09463		mg/Kg		95	70 - 130	2	35
Toluene	0.100	0.08998		mg/Kg		90	70 - 130	1	35
Ethylbenzene	0.100	0.1006		mg/Kg		101	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1795		mg/Kg		90	70 - 130	0	35
o-Xylene	0.100	0.09262		mg/Kg		93	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-9164-A-1-C MS
 Matrix: Solid
 Analysis Batch: 126051

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 125744

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08202		mg/Kg		82	70 - 130
Toluene	<0.00200	U	0.100	0.08152		mg/Kg		82	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 890-9164-A-1-C MS
 Matrix: Solid
 Analysis Batch: 126051

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 125744

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08429		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1734		mg/Kg		87	70 - 130
o-Xylene	<0.00200	U	0.100	0.08568		mg/Kg		86	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 890-9164-A-1-D MSD
 Matrix: Solid
 Analysis Batch: 126051

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 125744

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1020		mg/Kg		102	70 - 130	22	35
Toluene	<0.00200	U	0.100	0.08648		mg/Kg		86	70 - 130	6	35
Ethylbenzene	<0.00200	U	0.100	0.1015		mg/Kg		102	70 - 130	19	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2062		mg/Kg		103	70 - 130	17	35
o-Xylene	<0.00200	U	0.100	0.1007		mg/Kg		101	70 - 130	16	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-126031/5-A
 Matrix: Solid
 Analysis Batch: 126051

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 126031

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 12:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 12:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 12:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 08:12	12/09/25 12:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 12:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 08:12	12/09/25 12:54	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	180	S1+	70 - 130	12/09/25 08:12	12/09/25 12:54	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/09/25 08:12	12/09/25 12:54	1

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

Lab Sample ID: MB 880-125837/1-A
 Matrix: Solid
 Analysis Batch: 125892

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 125837

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		12/05/25 19:31	12/09/25 00:22	1

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QC Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
 SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-125837/1-A
Matrix: Solid
Analysis Batch: 125892

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 125837

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/25 19:31	12/09/25 00:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/25 19:31	12/09/25 00:22	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	132	S1+	70 - 130	12/05/25 19:31	12/09/25 00:22	1
o-Terphenyl (Surr)	113		70 - 130	12/05/25 19:31	12/09/25 00:22	1

Lab Sample ID: LCS 880-125837/2-A
Matrix: Solid
Analysis Batch: 125892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 125837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	1003		mg/Kg		100	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	154	S1+	70 - 130
o-Terphenyl (Surr)	122		70 - 130

Lab Sample ID: LCSD 880-125837/3-A
Matrix: Solid
Analysis Batch: 125892

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 125837

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	1000	1038		mg/Kg		104	70 - 130	3	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	156	S1+	70 - 130
o-Terphenyl (Surr)	124		70 - 130

Lab Sample ID: 880-65815-A-21-B MS
Matrix: Solid
Analysis Batch: 125892

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 125837

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	697.4		mg/Kg		70	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	861.8		mg/Kg		84	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	155	S1+	70 - 130
o-Terphenyl (Surr)	125		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-65815-A-21-C MSD
Matrix: Solid
Analysis Batch: 125892

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 125837

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	704.6		mg/Kg		71	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	869.8		mg/Kg		85	70 - 130	1	20
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	155	S1+	70 - 130								
o-Terphenyl (Surr)	125		70 - 130								

Lab Sample ID: MB 880-126018/1-A
Matrix: Solid
Analysis Batch: 126037

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126018

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/08/25 19:44	12/09/25 17:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 19:44	12/09/25 17:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 19:44	12/09/25 17:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	131	S1+	70 - 130				12/08/25 19:44	12/09/25 17:00	1
o-Terphenyl (Surr)	112		70 - 130				12/08/25 19:44	12/09/25 17:00	1

Lab Sample ID: LCS 880-126018/2-A
Matrix: Solid
Analysis Batch: 126037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126018

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec	RPD	Limit
		Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	903.8		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1145		mg/Kg		115	70 - 130		
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	169	S1+	70 - 130						
o-Terphenyl (Surr)	135	S1+	70 - 130						

Lab Sample ID: LCSD 880-126018/3-A
Matrix: Solid
Analysis Batch: 126037

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126018

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	Limit
		Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	956.2		mg/Kg		96	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	1204		mg/Kg		120	70 - 130	5	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
 SDG: Lea County New Mexico

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

Lab Sample ID: LCSD 880-126018/3-A
 Matrix: Solid
 Analysis Batch: 126037

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 126018

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	178	S1+	70 - 130
o-Terphenyl (Surr)	141	S1+	70 - 130

Lab Sample ID: 880-65875-4 MS
 Matrix: Solid
 Analysis Batch: 126037

Client Sample ID: CS-4 (Surface)
 Prep Type: Total/NA
 Prep Batch: 126018

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	775.9		mg/Kg		78	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	927.4		mg/Kg		93	70 - 130

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	173	S1+	70 - 130
o-Terphenyl (Surr)	133	S1+	70 - 130

Lab Sample ID: 880-65875-4 MSD
 Matrix: Solid
 Analysis Batch: 126037

Client Sample ID: CS-4 (Surface)
 Prep Type: Total/NA
 Prep Batch: 126018

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD	Limit
	Result	Qualifier		Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	797.0		mg/Kg		80	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1002		mg/Kg		100	70 - 130	8	20	

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	174	S1+	70 - 130
o-Terphenyl (Surr)	136	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-126021/1-A
 Matrix: Solid
 Analysis Batch: 126118

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<10.0	U	10.0		mg/Kg			12/10/25 15:13	1

Lab Sample ID: LCS 880-126021/2-A
 Matrix: Solid
 Analysis Batch: 126118

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike	LCS		Unit	D	%Rec	%Rec
		Result	Qualifier				
Chloride	250	195.4	*-	mg/Kg		78	90 - 110

QC Sample Results

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
 SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-126021/3-A
 Matrix: Solid
 Analysis Batch: 126118

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	248.9	*1	mg/Kg		100	90 - 110	24	20

Lab Sample ID: 880-65875-1 MS
 Matrix: Solid
 Analysis Batch: 126118

Client Sample ID: CS-1 (Surface)
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	11.1	*- *1	249	276.0		mg/Kg		106	90 - 110		

Lab Sample ID: 880-65875-1 MSD
 Matrix: Solid
 Analysis Batch: 126118

Client Sample ID: CS-1 (Surface)
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	11.1	*- *1	249	276.4		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 880-65875-11 MS
 Matrix: Solid
 Analysis Batch: 126118

Client Sample ID: CS-11 (Surface)
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.9	*- *1	250	275.6		mg/Kg		106	90 - 110		

Lab Sample ID: 880-65875-11 MSD
 Matrix: Solid
 Analysis Batch: 126118

Client Sample ID: CS-11 (Surface)
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.9	*- *1	250	275.6		mg/Kg		106	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
 SDG: Lea County New Mexico

GC VOA

Prep Batch: 125744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65875-1	CS-1 (Surface)	Total/NA	Solid	5035	
880-65875-2	CS-2 (Surface)	Total/NA	Solid	5035	
880-65875-3	CS-3 (Surface)	Total/NA	Solid	5035	
880-65875-4	CS-4 (Surface)	Total/NA	Solid	5035	
880-65875-5	CS-5 (Surface)	Total/NA	Solid	5035	
880-65875-6	CS-6 (Surface)	Total/NA	Solid	5035	
880-65875-7	CS-7 (Surface)	Total/NA	Solid	5035	
880-65875-8	CS-8 (Surface)	Total/NA	Solid	5035	
880-65875-9	CS-9 (Surface)	Total/NA	Solid	5035	
880-65875-10	CS-10 (Surface)	Total/NA	Solid	5035	
880-65875-11	CS-11 (Surface)	Total/NA	Solid	5035	
880-65875-12	CS-12 (Surface)	Total/NA	Solid	5035	
MB 880-125744/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-125744/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-125744/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9164-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-9164-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 126031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-126031/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 126051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65875-1	CS-1 (Surface)	Total/NA	Solid	8021B	125744
880-65875-2	CS-2 (Surface)	Total/NA	Solid	8021B	125744
880-65875-3	CS-3 (Surface)	Total/NA	Solid	8021B	125744
880-65875-4	CS-4 (Surface)	Total/NA	Solid	8021B	125744
880-65875-5	CS-5 (Surface)	Total/NA	Solid	8021B	125744
880-65875-6	CS-6 (Surface)	Total/NA	Solid	8021B	125744
880-65875-7	CS-7 (Surface)	Total/NA	Solid	8021B	125744
880-65875-8	CS-8 (Surface)	Total/NA	Solid	8021B	125744
880-65875-9	CS-9 (Surface)	Total/NA	Solid	8021B	125744
880-65875-10	CS-10 (Surface)	Total/NA	Solid	8021B	125744
880-65875-11	CS-11 (Surface)	Total/NA	Solid	8021B	125744
880-65875-12	CS-12 (Surface)	Total/NA	Solid	8021B	125744
MB 880-125744/5-A	Method Blank	Total/NA	Solid	8021B	125744
MB 880-126031/5-A	Method Blank	Total/NA	Solid	8021B	126031
LCS 880-125744/1-A	Lab Control Sample	Total/NA	Solid	8021B	125744
LCSD 880-125744/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	125744
890-9164-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	125744
890-9164-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	125744

Analysis Batch: 126251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65875-1	CS-1 (Surface)	Total/NA	Solid	Total BTEX	
880-65875-2	CS-2 (Surface)	Total/NA	Solid	Total BTEX	
880-65875-3	CS-3 (Surface)	Total/NA	Solid	Total BTEX	
880-65875-4	CS-4 (Surface)	Total/NA	Solid	Total BTEX	
880-65875-5	CS-5 (Surface)	Total/NA	Solid	Total BTEX	
880-65875-6	CS-6 (Surface)	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
SDG: Lea County New Mexico

GC VOA (Continued)

Analysis Batch: 126251 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65875-7	CS-7 (Surface)	Total/NA	Solid	Total BTEX	
880-65875-8	CS-8 (Surface)	Total/NA	Solid	Total BTEX	
880-65875-9	CS-9 (Surface)	Total/NA	Solid	Total BTEX	
880-65875-10	CS-10 (Surface)	Total/NA	Solid	Total BTEX	
880-65875-11	CS-11 (Surface)	Total/NA	Solid	Total BTEX	
880-65875-12	CS-12 (Surface)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 125837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65875-1	CS-1 (Surface)	Total/NA	Solid	8015NM Prep	
880-65875-2	CS-2 (Surface)	Total/NA	Solid	8015NM Prep	
880-65875-3	CS-3 (Surface)	Total/NA	Solid	8015NM Prep	
MB 880-125837/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-125837/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-125837/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-65815-A-21-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-65815-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 125892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65875-1	CS-1 (Surface)	Total/NA	Solid	8015B NM	125837
880-65875-2	CS-2 (Surface)	Total/NA	Solid	8015B NM	125837
880-65875-3	CS-3 (Surface)	Total/NA	Solid	8015B NM	125837
MB 880-125837/1-A	Method Blank	Total/NA	Solid	8015B NM	125837
LCS 880-125837/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	125837
LCSD 880-125837/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	125837
880-65815-A-21-B MS	Matrix Spike	Total/NA	Solid	8015B NM	125837
880-65815-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	125837

Prep Batch: 126018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65875-4	CS-4 (Surface)	Total/NA	Solid	8015NM Prep	
880-65875-5	CS-5 (Surface)	Total/NA	Solid	8015NM Prep	
880-65875-6	CS-6 (Surface)	Total/NA	Solid	8015NM Prep	
880-65875-7	CS-7 (Surface)	Total/NA	Solid	8015NM Prep	
880-65875-8	CS-8 (Surface)	Total/NA	Solid	8015NM Prep	
880-65875-9	CS-9 (Surface)	Total/NA	Solid	8015NM Prep	
880-65875-10	CS-10 (Surface)	Total/NA	Solid	8015NM Prep	
880-65875-11	CS-11 (Surface)	Total/NA	Solid	8015NM Prep	
880-65875-12	CS-12 (Surface)	Total/NA	Solid	8015NM Prep	
MB 880-126018/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126018/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126018/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-65875-4 MS	CS-4 (Surface)	Total/NA	Solid	8015NM Prep	
880-65875-4 MSD	CS-4 (Surface)	Total/NA	Solid	8015NM Prep	

Analysis Batch: 126037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65875-4	CS-4 (Surface)	Total/NA	Solid	8015B NM	126018

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
 SDG: Lea County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 126037 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65875-5	CS-5 (Surface)	Total/NA	Solid	8015B NM	126018
880-65875-6	CS-6 (Surface)	Total/NA	Solid	8015B NM	126018
880-65875-7	CS-7 (Surface)	Total/NA	Solid	8015B NM	126018
880-65875-8	CS-8 (Surface)	Total/NA	Solid	8015B NM	126018
880-65875-9	CS-9 (Surface)	Total/NA	Solid	8015B NM	126018
880-65875-10	CS-10 (Surface)	Total/NA	Solid	8015B NM	126018
880-65875-11	CS-11 (Surface)	Total/NA	Solid	8015B NM	126018
880-65875-12	CS-12 (Surface)	Total/NA	Solid	8015B NM	126018
MB 880-126018/1-A	Method Blank	Total/NA	Solid	8015B NM	126018
LCS 880-126018/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126018
LCSD 880-126018/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126018
880-65875-4 MS	CS-4 (Surface)	Total/NA	Solid	8015B NM	126018
880-65875-4 MSD	CS-4 (Surface)	Total/NA	Solid	8015B NM	126018

Analysis Batch: 126105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65875-1	CS-1 (Surface)	Total/NA	Solid	8015 NM	
880-65875-2	CS-2 (Surface)	Total/NA	Solid	8015 NM	
880-65875-3	CS-3 (Surface)	Total/NA	Solid	8015 NM	
880-65875-4	CS-4 (Surface)	Total/NA	Solid	8015 NM	
880-65875-5	CS-5 (Surface)	Total/NA	Solid	8015 NM	
880-65875-6	CS-6 (Surface)	Total/NA	Solid	8015 NM	
880-65875-7	CS-7 (Surface)	Total/NA	Solid	8015 NM	
880-65875-8	CS-8 (Surface)	Total/NA	Solid	8015 NM	
880-65875-9	CS-9 (Surface)	Total/NA	Solid	8015 NM	
880-65875-10	CS-10 (Surface)	Total/NA	Solid	8015 NM	
880-65875-11	CS-11 (Surface)	Total/NA	Solid	8015 NM	
880-65875-12	CS-12 (Surface)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 126021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65875-1	CS-1 (Surface)	Soluble	Solid	DI Leach	
880-65875-2	CS-2 (Surface)	Soluble	Solid	DI Leach	
880-65875-3	CS-3 (Surface)	Soluble	Solid	DI Leach	
880-65875-4	CS-4 (Surface)	Soluble	Solid	DI Leach	
880-65875-5	CS-5 (Surface)	Soluble	Solid	DI Leach	
880-65875-6	CS-6 (Surface)	Soluble	Solid	DI Leach	
880-65875-7	CS-7 (Surface)	Soluble	Solid	DI Leach	
880-65875-8	CS-8 (Surface)	Soluble	Solid	DI Leach	
880-65875-9	CS-9 (Surface)	Soluble	Solid	DI Leach	
880-65875-10	CS-10 (Surface)	Soluble	Solid	DI Leach	
880-65875-11	CS-11 (Surface)	Soluble	Solid	DI Leach	
880-65875-12	CS-12 (Surface)	Soluble	Solid	DI Leach	
MB 880-126021/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-126021/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-126021/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-65875-1 MS	CS-1 (Surface)	Soluble	Solid	DI Leach	
880-65875-1 MSD	CS-1 (Surface)	Soluble	Solid	DI Leach	
880-65875-11 MS	CS-11 (Surface)	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
 SDG: Lea County New Mexico

HPLC/IC (Continued)

Leach Batch: 126021 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65875-11 MSD	CS-11 (Surface)	Soluble	Solid	DI Leach	

Analysis Batch: 126118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65875-1	CS-1 (Surface)	Soluble	Solid	300.0	126021
880-65875-2	CS-2 (Surface)	Soluble	Solid	300.0	126021
880-65875-3	CS-3 (Surface)	Soluble	Solid	300.0	126021
880-65875-4	CS-4 (Surface)	Soluble	Solid	300.0	126021
880-65875-5	CS-5 (Surface)	Soluble	Solid	300.0	126021
880-65875-6	CS-6 (Surface)	Soluble	Solid	300.0	126021
880-65875-7	CS-7 (Surface)	Soluble	Solid	300.0	126021
880-65875-8	CS-8 (Surface)	Soluble	Solid	300.0	126021
880-65875-9	CS-9 (Surface)	Soluble	Solid	300.0	126021
880-65875-10	CS-10 (Surface)	Soluble	Solid	300.0	126021
880-65875-11	CS-11 (Surface)	Soluble	Solid	300.0	126021
880-65875-12	CS-12 (Surface)	Soluble	Solid	300.0	126021
MB 880-126021/1-A	Method Blank	Soluble	Solid	300.0	126021
LCS 880-126021/2-A	Lab Control Sample	Soluble	Solid	300.0	126021
LCSD 880-126021/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	126021
880-65875-1 MS	CS-1 (Surface)	Soluble	Solid	300.0	126021
880-65875-1 MSD	CS-1 (Surface)	Soluble	Solid	300.0	126021
880-65875-11 MS	CS-11 (Surface)	Soluble	Solid	300.0	126021
880-65875-11 MSD	CS-11 (Surface)	Soluble	Solid	300.0	126021

Lab Chronicle

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
 SDG: Lea County New Mexico

Client Sample ID: CS-1 (Surface)

Lab Sample ID: 880-65875-1

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	125744	12/09/25 11:41	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/10/25 02:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126251	12/10/25 02:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			126105	12/09/25 05:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125837	12/05/25 19:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125892	12/09/25 05:50	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	126021	12/08/25 19:56	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126118	12/10/25 15:28	CS	EET MID

Client Sample ID: CS-2 (Surface)

Lab Sample ID: 880-65875-2

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	125744	12/09/25 11:41	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/10/25 02:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126251	12/10/25 02:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			126105	12/09/25 06:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	125837	12/05/25 19:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125892	12/09/25 06:05	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	126021	12/08/25 19:56	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126118	12/10/25 15:43	CS	EET MID

Client Sample ID: CS-3 (Surface)

Lab Sample ID: 880-65875-3

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	125744	12/09/25 11:41	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/10/25 03:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126251	12/10/25 03:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			126105	12/09/25 06:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125837	12/05/25 19:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125892	12/09/25 06:18	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	126021	12/08/25 19:56	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126118	12/10/25 15:48	CS	EET MID

Client Sample ID: CS-4 (Surface)

Lab Sample ID: 880-65875-4

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	125744	12/09/25 11:41	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/10/25 03:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126251	12/10/25 03:23	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
 SDG: Lea County New Mexico

Client Sample ID: CS-4 (Surface)

Lab Sample ID: 880-65875-4

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			126105	12/09/25 17:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126018	12/08/25 19:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 17:58	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	126021	12/08/25 19:56	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126118	12/10/25 15:53	CS	EET MID

Client Sample ID: CS-5 (Surface)

Lab Sample ID: 880-65875-5

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	125744	12/09/25 11:41	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/10/25 03:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126251	12/10/25 03:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			126105	12/09/25 18:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126018	12/08/25 19:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 18:41	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	126021	12/08/25 19:56	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126118	12/10/25 15:58	CS	EET MID

Client Sample ID: CS-6 (Surface)

Lab Sample ID: 880-65875-6

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	125744	12/09/25 11:41	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/10/25 04:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126251	12/10/25 04:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			126105	12/09/25 18:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126018	12/08/25 19:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 18:54	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126021	12/08/25 19:56	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126118	12/10/25 16:13	CS	EET MID

Client Sample ID: CS-7 (Surface)

Lab Sample ID: 880-65875-7

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	125744	12/09/25 11:41	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/10/25 05:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126251	12/10/25 05:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			126105	12/09/25 19:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126018	12/08/25 19:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 19:10	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
 SDG: Lea County New Mexico

Client Sample ID: CS-7 (Surface)

Lab Sample ID: 880-65875-7

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	126021	12/08/25 19:56	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126118	12/10/25 16:17	CS	EET MID

Client Sample ID: CS-8 (Surface)

Lab Sample ID: 880-65875-8

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	125744	12/09/25 11:41	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/10/25 06:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126251	12/10/25 06:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			126105	12/09/25 19:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126018	12/08/25 19:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 19:23	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	126021	12/08/25 19:56	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126118	12/10/25 16:22	CS	EET MID

Client Sample ID: CS-9 (Surface)

Lab Sample ID: 880-65875-9

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	125744	12/09/25 11:41	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/10/25 06:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126251	12/10/25 06:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			126105	12/09/25 19:38	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	126018	12/08/25 19:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 19:38	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126021	12/08/25 19:56	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126118	12/10/25 16:27	CS	EET MID

Client Sample ID: CS-10 (Surface)

Lab Sample ID: 880-65875-10

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	125744	12/09/25 11:41	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/10/25 06:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126251	12/10/25 06:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			126105	12/09/25 19:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	126018	12/08/25 19:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 19:51	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	126021	12/08/25 19:56	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126118	12/10/25 16:32	CS	EET MID

Lab Chronicle

Client: Carmona Resources
 Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
 SDG: Lea County New Mexico

Client Sample ID: CS-11 (Surface)

Lab Sample ID: 880-65875-11

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	125744	12/09/25 11:41	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/10/25 07:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126251	12/10/25 07:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			126105	12/09/25 20:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126018	12/08/25 19:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 20:05	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	126021	12/08/25 19:56	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126118	12/10/25 16:37	CS	EET MID

Client Sample ID: CS-12 (Surface)

Lab Sample ID: 880-65875-12

Date Collected: 12/02/25 00:00

Matrix: Solid

Date Received: 12/08/25 14:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	125744	12/09/25 11:41	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/10/25 07:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126251	12/10/25 07:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			126105	12/09/25 20:20	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	126018	12/08/25 19:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 20:20	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	126021	12/08/25 19:56	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126118	12/10/25 16:52	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

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

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

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
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Method Summary

Client: Carmona Resources
Project/Site: Eider 35 Fed 501 H

Job ID: 880-65875-1
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: Eider 35 Fed 501 H

Job ID: 880-65875-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-65875-1	CS-1 (Surface)	Solid	12/02/25 00:00	12/08/25 14:33	New Mexico
880-65875-2	CS-2 (Surface)	Solid	12/02/25 00:00	12/08/25 14:33	New Mexico
880-65875-3	CS-3 (Surface)	Solid	12/02/25 00:00	12/08/25 14:33	New Mexico
880-65875-4	CS-4 (Surface)	Solid	12/02/25 00:00	12/08/25 14:33	New Mexico
880-65875-5	CS-5 (Surface)	Solid	12/02/25 00:00	12/08/25 14:33	New Mexico
880-65875-6	CS-6 (Surface)	Solid	12/02/25 00:00	12/08/25 14:33	New Mexico
880-65875-7	CS-7 (Surface)	Solid	12/02/25 00:00	12/08/25 14:33	New Mexico
880-65875-8	CS-8 (Surface)	Solid	12/02/25 00:00	12/08/25 14:33	New Mexico
880-65875-9	CS-9 (Surface)	Solid	12/02/25 00:00	12/08/25 14:33	New Mexico
880-65875-10	CS-10 (Surface)	Solid	12/02/25 00:00	12/08/25 14:33	New Mexico
880-65875-11	CS-11 (Surface)	Solid	12/02/25 00:00	12/08/25 14:33	New Mexico
880-65875-12	CS-12 (Surface)	Solid	12/02/25 00:00	12/08/25 14:33	New Mexico

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Chain of Custody



Page 1 of 2

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

Bill to: (if different)
 Company Name:
 Address:
 City, State ZIP:

Turn Around
 Routine Rush
 Due Date: 72 Hour TAT

Temp Blank: Yes No
 Thermometer ID: RG
 Cooler Custody Seals: Yes No N/A
 Sample Custody Seals: Yes No N/A
 Total Containers: Yes No N/A
 Temperature Reading: -10
 Corrected Temperature: -10.1

Wet Ice: Yes No
 Yes RG No
 Correction Factor: -0.1

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

Project Name: Eider 35 Fed 501 H
 Project Number: 3043
 Project Location: Lea County, New Mexico
 Sampler's Name: JR
 PO #:

Carmona Resources

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST		Preservative Codes
							Pres. Code	Sample Comments	
CS-1 (Surface)	12/2/2025		X		C	1	BTEX 8021B		None: NO DI Water: H ₂ O
CS-2 (Surface)	12/2/2025		X		C	1	TPH 8015M (GRO + DRO + MRO)		Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na
CS-3 (Surface)	12/2/2025		X		C	1	Chloride 300.0		H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
CS-4 (Surface)	12/2/2025		X		C	1			
CS-5 (Surface)	12/2/2025		X		C	1			
CS-6 (Surface)	12/2/2025		X		C	1			
CS-7 (Surface)	12/2/2025		X		C	1			
CS-8 (Surface)	12/2/2025		X		C	1			
CS-9 (Surface)	12/2/2025		X		C	1			
CS-10 (Surface)	12/2/2025		X		C	1			

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

Relinquished by: (Signature) *Rebecca* Date/Time: 12/8/25

Received by: (Signature) *Mike* Date/Time: 12-8-25 1432



Chain of Custody

Work Order No: _____

Project Manager: Company Name: Address: City, State ZIP: Phone:	Conner Moehring Carmona Resources 310 W Wall St Ste 500 Midland, TX 79701 432-813-6823	Bill to: (if different) Company Name: Address: City, State ZIP: Email:	Carmona Resources Carmona Resources 310 W Wall St Ste 500 Midland, TX 79701 mcarmona@carmonaresources.com
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Project Name: Project Number: Project Location: Sampler's Name: PO #:	Elder 35 Fed 501 H 3043 Lea County, New Mexico JR	Turn Around <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush Due Date:	72 Hour TAT
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SAMPLE RECEIPT	Temp Blank:	Temp No	Wet Ice:
Received Intact:	Yes	No	Yes
Cooler Custody Seals:	Yes	No	Thermometer ID:
Sample Custody Seals:	Yes	No	Correction Factor:
Total Containers:	Yes	No	Temperature Reading:
			Corrected Temperature:

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Pres. Code
CS-11 (Surface)	12/2/2025		X		C	1	
CS-12 (Surface)	12/2/2025		X		C	1	
Parameters							
BTEX 80218							
TPH 8015M (GRO + DRO + MRO)							
Chloride 300.0							
None: NO							
Cool: Cool							
HCL: HC							
H2SO4: H2							
H3PO4: HP							
NaHSO4: NABIS							
Na2S2O3: NaSO3							
Zn Acetate+NaOH: Zn							
NaOH+Ascorbic Acid: SAPC							

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	12/2/25		12-8-25 1433



Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-65875-1
SDG Number: Lea County New Mexico

Login Number: 65875

List Number: 1

Creator: Dyal, Erica

List Source: Eurofins Midland

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

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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 541198

QUESTIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 541198
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2529058701
Incident Name	NAPP2529058701 EIDER 35 FEDERAL 501H @ 30-025-49287
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-49287] EIDER 35 FEDERAL #501H

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Eider 35 Federal 501H
Date Release Discovered	10/17/2025
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Other Pipeline (Any) Crude Oil Released: 2 BBL Recovered: 0 BBL Lost: 2 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Emergency services were notified to extinguish the fire. The release was confined to the well pad. The facility has been cleared by safety personnel.

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QUESTIONS, Page 2

Action 541198

QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
<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	Emergency services were notified to extinguish the fire. The release was confined to the well pad. The facility has been cleared by safety personnel.

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: Jacob Laird Title: Environmental Engineer Email: jacob.laird@conocophillips.com Date: 01/08/2026
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Action 541198

QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 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
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	231
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	12/02/2025
On what date will (or did) the final sampling or liner inspection occur	12/02/2025
On what date will (or was) the remediation complete(d)	12/02/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed. The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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Action 541198

QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fAPP2132634113 EIDER FED 35 BATTERY
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement	Name: Jacob Laird Title: Environmental Engineer Email: jacob.laird@conocophillips.com Date: 01/08/2026
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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Action 541198

QUESTIONS (continued)

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QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Action 541198

QUESTIONS (continued)

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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	529578
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/02/2025
What was the (estimated) number of samples that were to be gathered	12
What was the sampling surface area in square feet	2250

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	No remediation was conducted on all samples, as they were under established regulatory criteria.

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Jacob Laird Title: Environmental Engineer Email: jacob.laird@conocophillips.com Date: 01/08/2026
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Action 541198

QUESTIONS (continued)

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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	No

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CONDITIONS

Action 541198

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	1/23/2026