



SITE INFORMATION

Closure Report
Buena Vista 2 State Com #3H
Incident # NAPP2519247303
Eddy County, New Mexico
Unit N Sec 02 T20S R30E
32.595731°, -103.944934°

Crude Oil & Produced Water Release

Point of Release: Lighting Strike

Release Date: 07/11/2025

Volume Released: 10 Barrels of Crude Oil & 120 Barrels of Produced Water

Volume Recovered: 9 Barrels of Crude Oil & 118 Barrels of Produced Water

CARMONA RESOURCES



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

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



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March 27, 2026

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

**Re: Closure Report
Buena Vista 2 State Com #3H
Incident ID: nAPP2519247303
Concho Operating, LLC
Site Location: Unit N, S02, T20S, R30E
(Lat 32.595731°, Long -103.944934°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Buena Vista 2 State Com #3 (07.11.25). The site is located at 32.108362 °, -104.214507 ° within Unit N, S02, T20S, R30E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notification of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on July 11, 2025, due to a lightning strike. The incident released approximately ten (10) barrels of crude oil and one hundred and twenty (120) Barrels of produced water, with nine (9) barrels of crude oil and one hundred and eighteen (118) barrels of produced water recovered. The impacted area occurred on the pad, as shown in Figure 3. The Notice of Release can be found in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.58 miles West of the release area in S03, T20S, R30E. The well was drilled in 1948 and has a reported depth to groundwater of 8.51 ft bgs (feet below ground surface). A copy of the associated Summary report is attached in Appendix D

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

Initial Assessment

On August 11, 2025, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of four (4) sample points (S-1 through S-4) and three (3) horizontal sample



points (H-1 through H-3) 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

Carmona Resources personnel were on site to mark out the proposed excavation areas and collect confirmation samples. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on December 18, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C for the sampling notification. A total of three (3) confirmation floor samples were collected (CS-1 through CS-3), and eight (8) sidewall samples (SW-1 through SW-8) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

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

Once the remediation activities were completed, the excavated area was backfilled with clean material to surface grade. The material utilized for backfill was sourced locally. The composite pit sample was analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E.

Approximately 90 cubic yards of material were excavated and transported off-site for proper disposal.

6.0 Liner Inspection Activities

Before conducting the liner inspection, the NMOCD was notified via the portal on December 31, 2025. A crew previously arrived on site to remove all freestanding fluids and the affected pea gravel was removed. After the plastic liner was thoroughly cleaned, Carmona Resources personnel inspected the liner to assess its structural integrity. On January 5, 2026, Carmona Resources, LLC carried out liner inspection activities and confirmed that the liner was intact with no integrity issues. Refer to the Photolog for details.

7.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

Conner Moehring
Environmental Manager

FIGURES

CARMONA RESOURCES

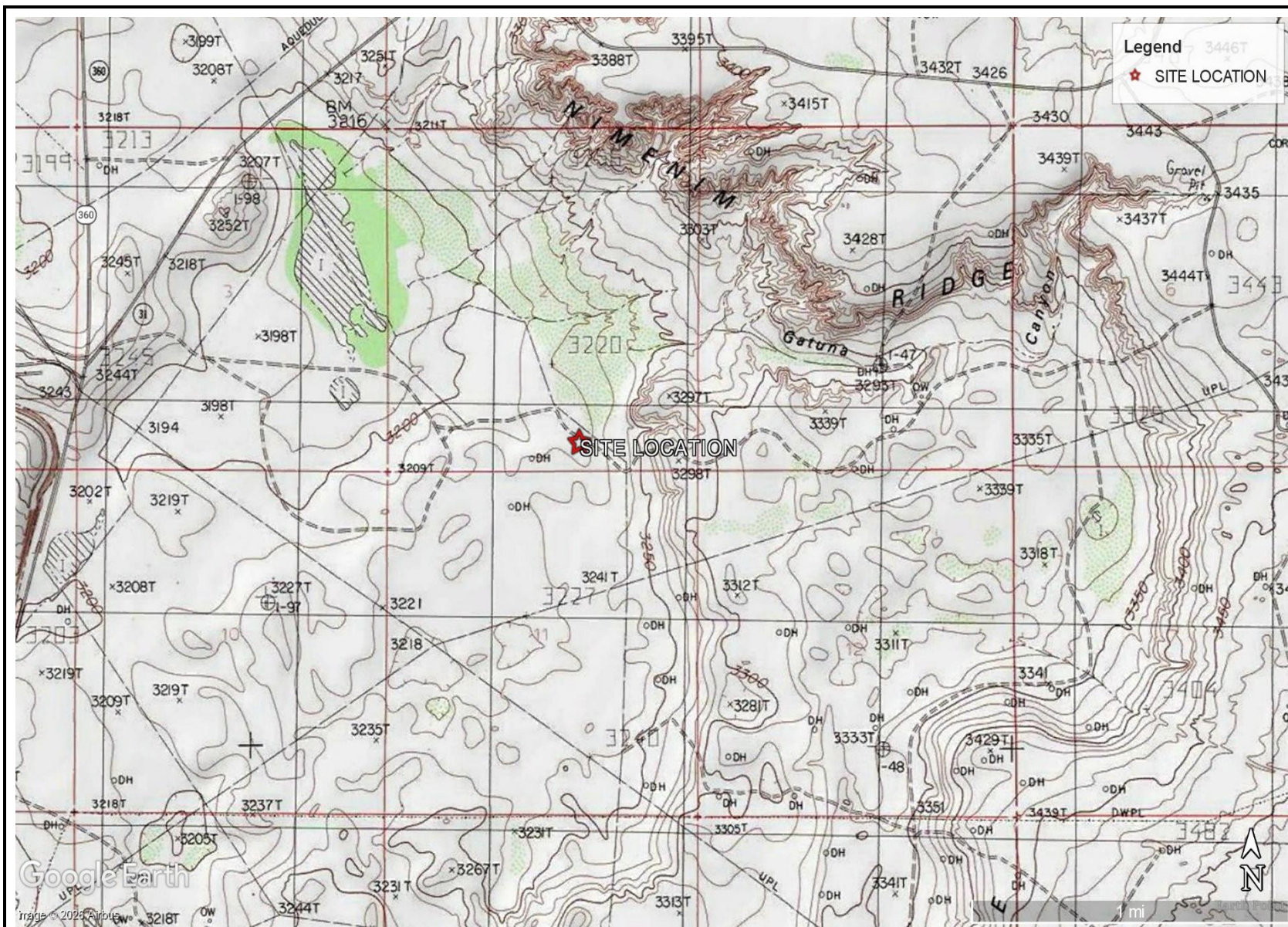




OVERVIEW MAP
CONOCO PHILLIPS, LLC
BUENA VISTA 2 STATE COM 3H (07.11.25)
EDDY COUNTY, NEW MEXICO
32.595976, -103.940633



FIGURE 1



TOPOGRAPHIC MAP
CONOCO PHILLIPS, LLC
BUENA VISTA 2 STATE COM 3H (07.11.25)
EDDY COUNTY, NEW MEXICO
32.595976, -103.940633



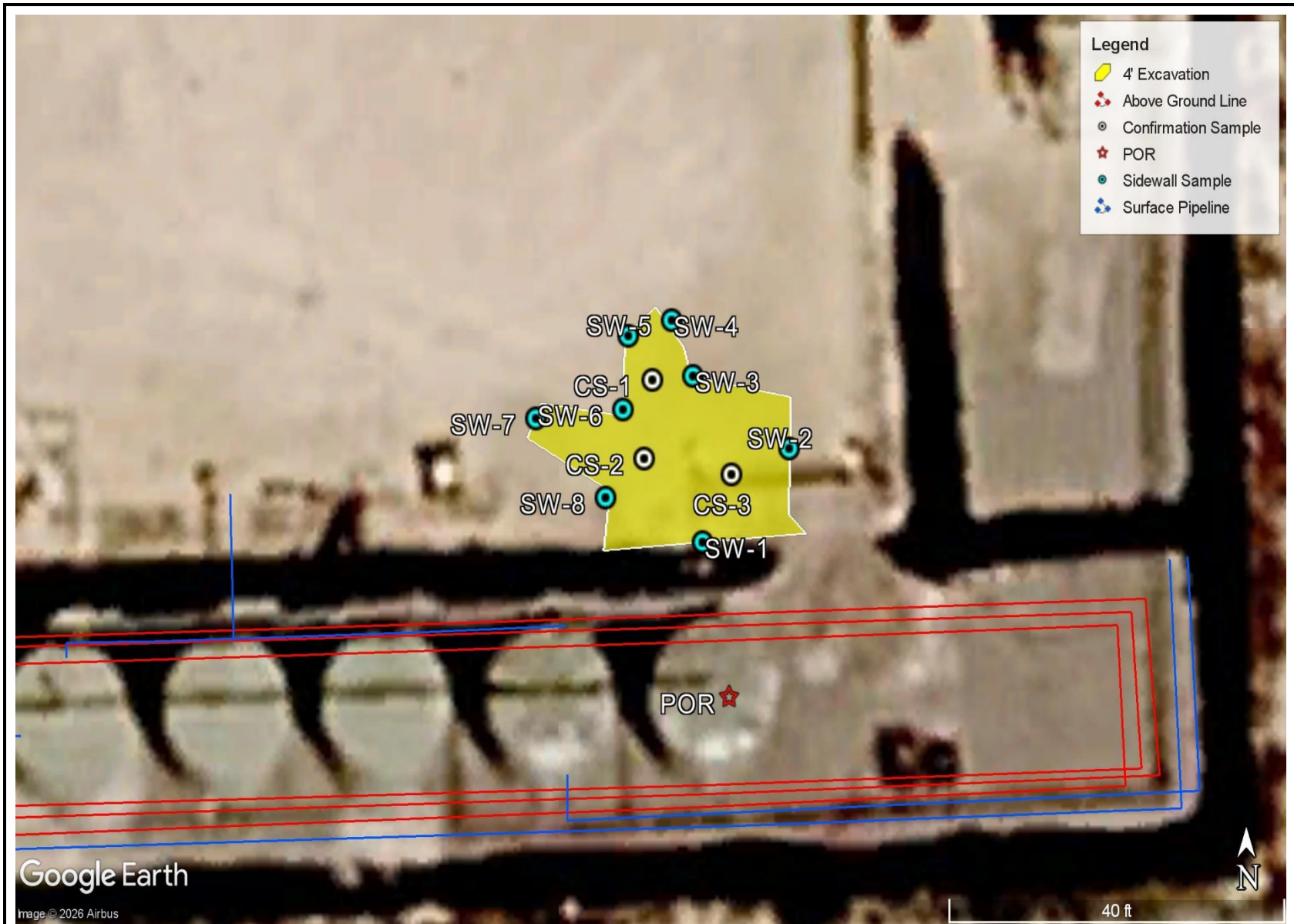
FIGURE 2




SAMPLE LOCATION MAP
CONOCO PHILLIPS, LLC
BUENA VISTA 2 STATE COM 3H (07.11.25)
EDDY COUNTY, NEW MEXICO
32.595976, -103.940633



FIGURE 3



<p>EXCAVATION MAP CONOCO PHILLIPS, LLC BUENA VISTA 2 STATE COM 3H (07.11.25) EDDY COUNTY, NEW MEXICO 32.595976, -103.940633</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 4</p>
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SECONDARY CONTAINMENT MAP
CONOCO PHILLIPS, LLC
BUENA VISTA 2 STATE COM 3H (07.11.25)
EDDY COUNTY, NEW MEXICO
32.595976, -103.940633



FIGURE 5


APPENDIX A

CARMONA RESOURCES



Table 1
ConocoPhillips
Buena Vista 2 State 3H
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	8/11/2025	0-1	<50.0	617	238	855	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	6,160
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	5,020
	"	2	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,780
	"	3	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	667
	"	4	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.90
H-1	8/11/2025	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.1
H-2	8/11/2025	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.0
H-3	8/11/2025	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.90
<i>Regulatory Criteria^A</i>						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed
^A - Table 1 - 19.15.29 NMAC
 mg/kg - milligram per kilogram
 TPH - Total Petroleum Hydrocarbons
 ft - feet
 (S) Sample Point
 (H) Horizontal Sample
 Removed

**Table 1
Conoco Phillips
Buena Vista 2 State 3H
Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	12/22/2025	4'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	0.00267	<0.00399	<0.00399	14.0
CS-2	12/22/2025	4'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	10.8
CS-3	12/22/2025	4'	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	12.4
SW-1	12/22/2025	4'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	14.3
SW-2	12/22/2025	4'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	13.3
SW-3	12/22/2025	4'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	11.0
SW-4	12/22/2025	4'	<50.2	<50.2	<50.2	<50.2	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	24.6
SW-5	12/22/2025	4'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.1
SW-6	12/22/2025	4'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.3
SW-7	12/22/2025	4'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	15.4
SW-8	12/22/2025	4'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	12.8
Backfill	10/9/2025	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	91.7
Regulatory Criteria^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons
ft - feet

(CS)- Confirmation Sample

(SW)- Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

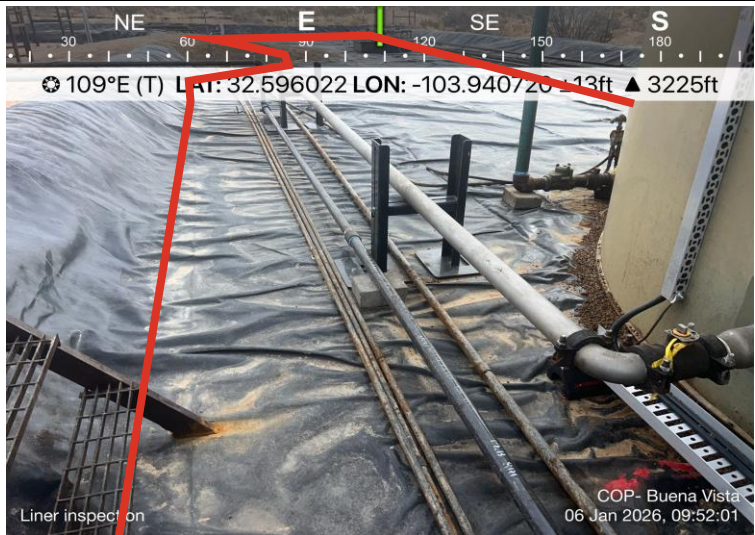
COG Operating, LLC

Photograph No. 1

Facility: Buena Vista 2 State Com #3H

County: Eddy County, New Mexico

Description:
View East, area of the liner inspection.



Photograph No. 2

Facility: Buena Vista 2 State Com #3H

County: Eddy County, New Mexico

Description:
View Southwest, area of the liner inspection.

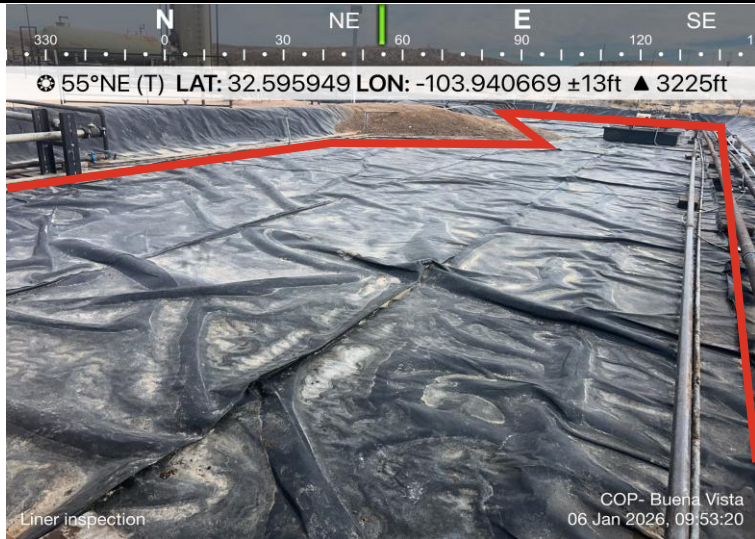


Photograph No. 3

Facility: Buena Vista 2 State Com #3H

County: Eddy County, New Mexico

Description:
View Northeast, area of the liner inspection.



PHOTOGRAPHIC LOG

COG Operating, LLC

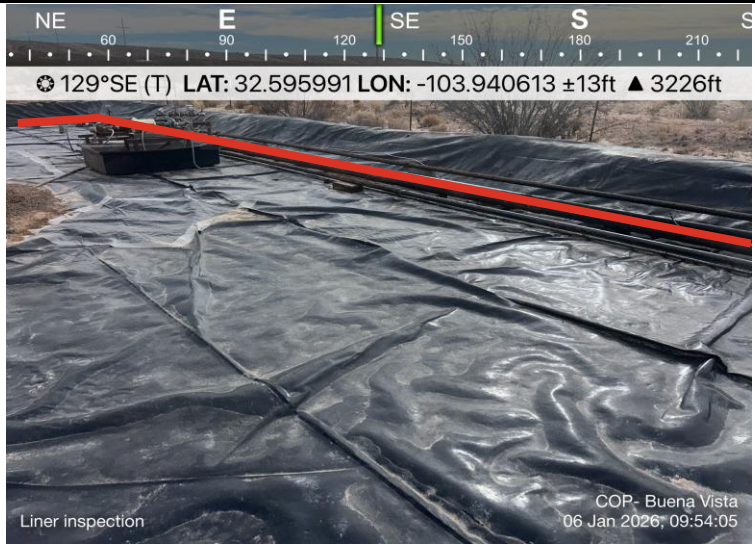
Photograph No. 4

Facility: Buena Vista 2 State Com #3H

County: Eddy County, New Mexico

Description:

View Southeast, area of the liner inspection.



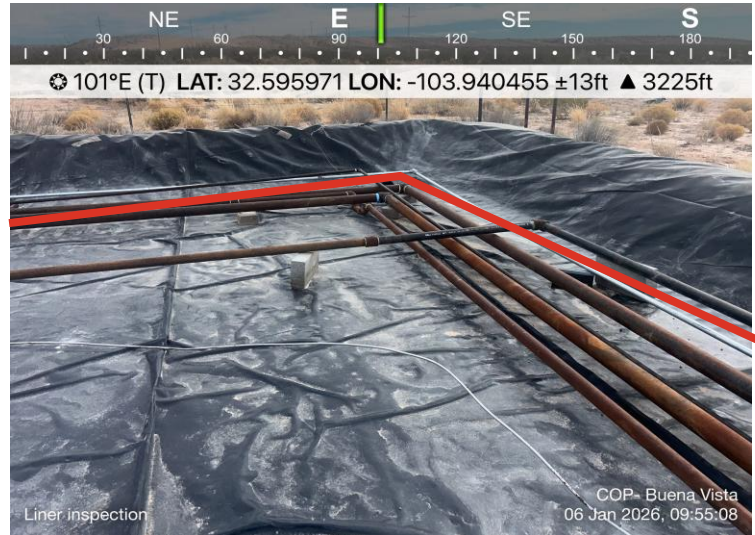
Photograph No. 5

Facility: Buena Vista 2 State Com #3H

County: Eddy County, New Mexico

Description:

View East, area of the liner inspection.



Photograph No. 6

Facility: Buena Vista 2 State Com #3H

County: Eddy County, New Mexico

Description:

View, South areas of Confirmation samples 1-3.



APPENDIX C

CARMONA RESOURCES



Received by OCD: 4/6/2026 9:35:09 AM

Facility Name & Well Number(s):

Wilder CTB

Release Discovery Date & Time:

8/20/25 12:00 AM

Provide any known details about the event:

Release was caused due to a leak on a produced water poly line.

Primary Cause (dropdown):

Communication

Secondary Cause (dropdown):

Design and Engineering

Was the Release to Soil / Caliche (dropdown):

Release On/Off Pad (dropdown):

Recovered Volume (bbl.) (if available, not included in volume calculations)

Release Type (dropdown):

Method of Determination (dropdown):

BU:

Permian

Asset Area: DBE - Asset Avg.

Yes

On-Pad

160

Oil Mixture

Known volume from geometry

Known Volume (dropdown):

Yes

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.)

Released to Imaging: 4/14/2026 11:11:59 AM

3%

165

4.9500

160.0500

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 499406

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 499406
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2519247303
Incident Name	NAPP2519247303 BUENA VISTA 2 STATE COM 3H @ 30-015-39245
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Well	[30-015-39245] BUENA VISTA 2 STATE COM #003H

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	BUENA VISTA 2 STATE COM 3H
Date Release Discovered	07/11/2025
Surface Owner	State

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Lightning Tank (Any) Crude Oil Released: 10 BBL Recovered: 9 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Lightning Tank (Any) Produced Water Released: 120 BBL Recovered: 118 BBL Lost: 2 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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Santa Fe, NM 87505

QUESTIONS, Page 2

Action 499406

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 499406
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 08/26/2025
--	---

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

QUESTIONS, Page 3

Action 499406

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 499406
	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.	

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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 499406

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 499406
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Spill calculations and initial c141 are approved. Remediation closure is due to the OCD within 90-days from the discovery of the release, no later than 10/09/2025.	8/26/2025

Conner Moehring

From: Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>
Sent: Thursday, October 9, 2025 3:12 PM
To: Conner Moehring
Cc: Harris, Jacqui; Mike Carmona; Stephen Reyes; Ivan Ramos; PaulB; Daniel Segundo
Subject: RE: [EXTERNAL] COP - Buena Vista 2 State Com 3H - Extension Request - nAPP2519247303

Good afternoon, Conner

The request for a 90-day extension to ensure proper safety protocols at the incident Buena Vista 2 State Com 3H - nAPP2519247303 is approved. The deadline to submit the remediation closure is now 01/07/2026. The incident page will be updated to reflect this change. Please keep a copy of this correspondence for your records and include it with the next report submission.

Thank you,

From: Conner Moehring <Cmoehring@carmonaresources.com>
Sent: Thursday, October 9, 2025 12:20 PM
To: Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>
Cc: Harris, Jacqui <jacqui.harris@conocophillips.com>; Mike Carmona <Mcarmona@carmonaresources.com>; Stephen Reyes <SReyes@carmonaresources.com>; Ivan Ramos <Iramos@carmonaresources.com>; PaulB <PaulB@carmonaresources.com>; Daniel Segundo <DSegundo@carmonaresources.com>
Subject: [EXTERNAL] COP - Buena Vista 2 State Com 3H - Extension Request - nAPP2519247303

You don't often get email from cmoehring@carmonaresources.com. [Learn why this is important](#)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Afternoon,

This correspondence requests a ninety-day extension of time from the OCD for the crude oil and produced water release at the COP - Buena Vista 2 State Com 3H - nAPP2519247303, located in Eddy County, New Mexico. The project has been slower than anticipated in ensuring that all safety protocols have been met due to the burned tanks causing a safety hazard, and coordinating with COP to ensure the hazards can be removed. The 90-day extension would allow COP to remove the burned tanks and coordinate with COP operations to shut in the facility to safely conduct remediation activities.

Please let us know if you have any questions regarding this site.

Conner R. Moehring
 310 West Wall Street, Suite 500
 Midland TX, 79701
 M: 432-813-6823
cmoehring@carmonaresources.com
carmonaresources.com

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 536092

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 536092
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2519247303
Incident Name	NAPP2519247303 BUENA VISTA 2 STATE COM 3H @ 30-015-39245
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-39245] BUENA VISTA 2 STATE COM #003H

Location of Release Source	
Site Name	BUENA VISTA 2 STATE COM 3H
Date Release Discovered	07/11/2025
Surface Owner	Private

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	470
What is the estimated number of samples that will be gathered	11
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/22/2025
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	32.596051, -103.940575

Sante Fe Main Office
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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 536092

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 536092
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jacquih	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	12/18/2025
jacquih	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	12/18/2025

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

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

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

QUESTIONS

Action 539163

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 539163
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2519247303
Incident Name	NAPP2519247303 BUENA VISTA 2 STATE COM 3H @ 30-015-39245
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-39245] BUENA VISTA 2 STATE COM #003H

Location of Release Source	
Site Name	BUENA VISTA 2 STATE COM 3H
Date Release Discovered	07/11/2025
Surface Owner	Private

Liner Inspection Event Information	
<i>Please answer all the questions in this group.</i>	
What is the liner inspection surface area in square feet	4,600
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	01/05/2026
Time liner inspection will commence	08:00 AM
Please provide any information necessary for observers to liner inspection	Carmona Resources - 4328136823
Please provide any information necessary for navigation to liner inspection site	32.595976, -103.940633

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 539163

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 539163
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

Created By	Condition	Condition Date
jacquih	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	12/31/2025

APPENDIX D

CARMONA RESOURCES

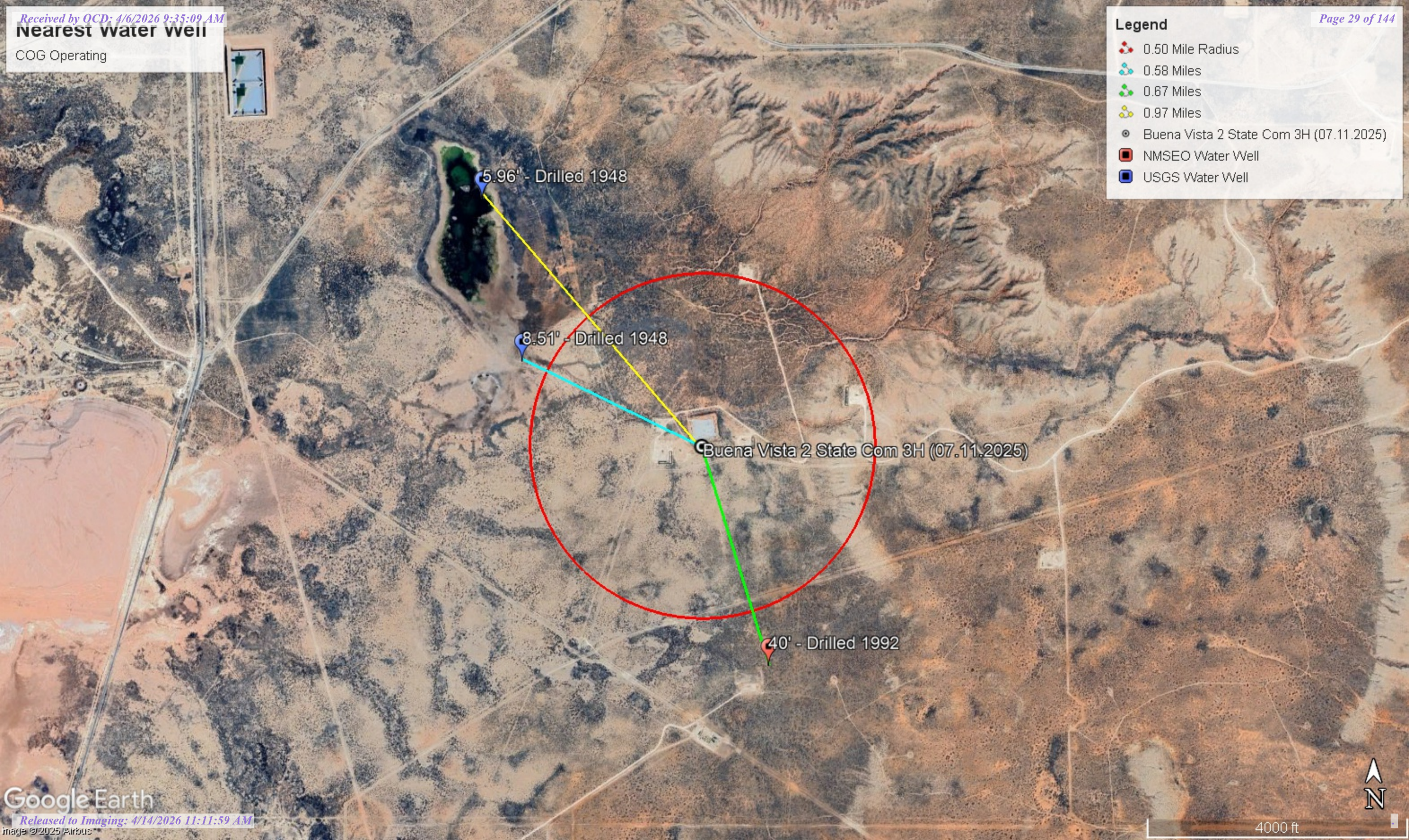


Nearest water well

COG Operating

Legend

- 0.50 Mile Radius
- 0.58 Miles
- 0.67 Miles
- 0.97 Miles
- Buena Vista 2 State Com 3H (07.11.2025)
- NMSEO Water Well
- USGS Water Well

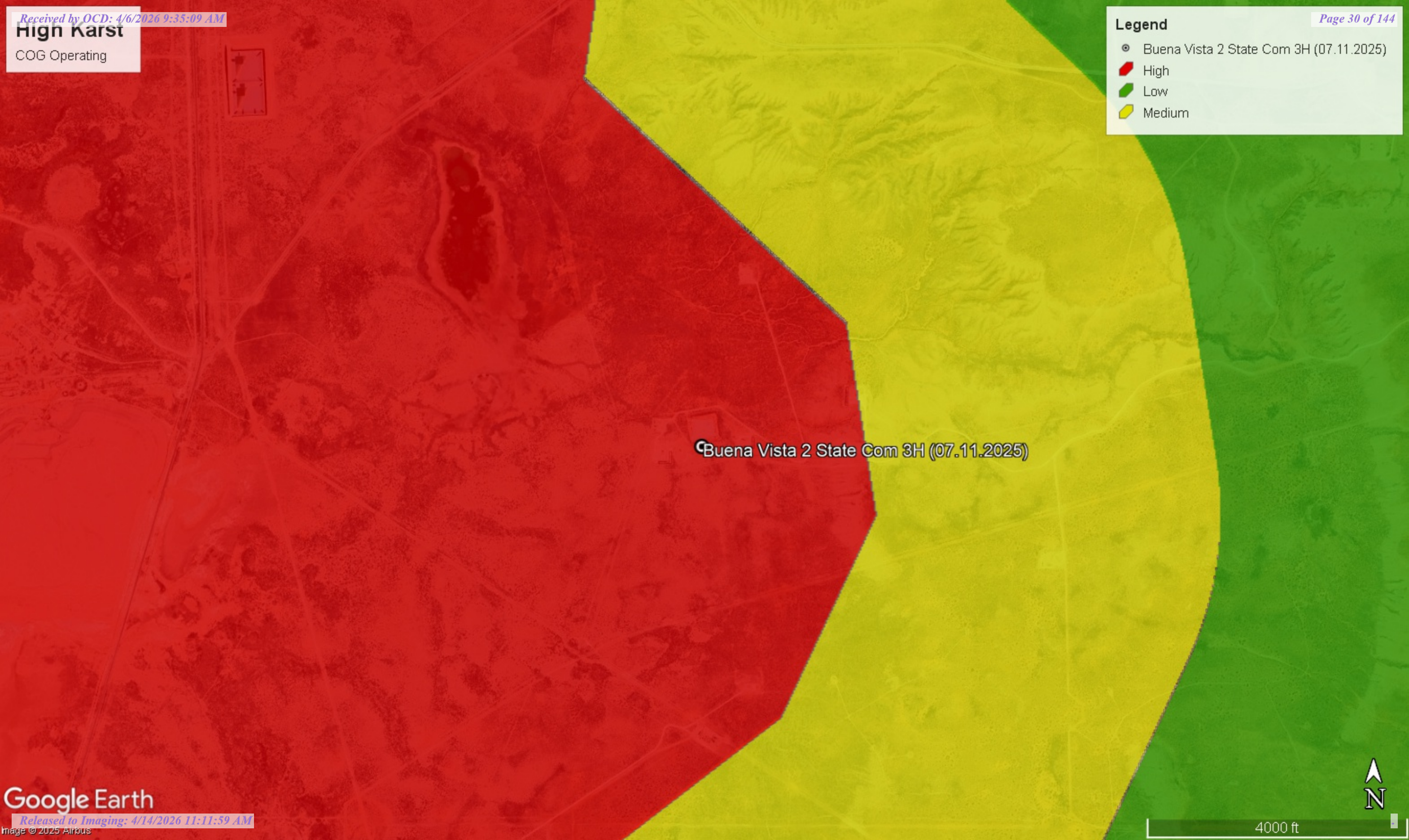


High Karst

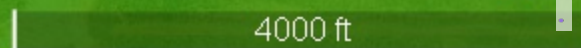
COG Operating

Legend

- Buena Vista 2 State Com 3H (07.11.2025)
- High
- Low
- Medium



Buena Vista 2 State Com 3H (07.11.2025)





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
CP 00775		CP	ED	NE	NW	SE	11	20S	30E	599515.0	3605981.0 *	●	1067	350	40	310
CP 00827 POD1		CP	LE		SW	SW	35	19S	30E	598596.0	3608694.0 *	●	1797	100		
CP 00828 POD1		CP	LE		NW	NW	35	19S	30E	598585.0	3609900.0 *	●	2964	90		
CP 00645 POD2		CP	LE	SW	SE	SW	04	20S	30E	595689.0	3606964.0 *	●	3509	296	62	234
CP 00644 POD2		CP	LE	NW	SE	SW	04	20S	30E	595689.0	3607164.0 *	●	3512	285	60	225
CP 00648 POD1	R	CP	LE	SE	SW	SW	04	20S	30E	595488.0	3606960.0 *	●	3710	337	82	255
CP 00648 POD2		CP	ED	SE	SW	SW	04	20S	30E	595488.0	3606960.0 *	●	3710	330	75	255

Average Depth to Water: **63 feet**

Minimum Depth: **40 feet**

Maximum Depth: **82 feet**

Record Count: 7

UTM Filters (in meters):

Easting: 599198.00

Northing: 3607000.00

Radius: 4000

* UTM location was derived from PLSS - see Help

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



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National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click to hide News Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
 site_no list =
 • 323558103570501

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 323558103570501 20S.30E.03.424231

Eddy County, New Mexico
 Latitude 32°35'58", Longitude 103°57'05" NAD27
 Land-surface elevation 3,188 feet above NAVD88
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.
 This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1948-12-23			D 62610		3177.98	NGVD29	1	Z			A
1948-12-23			D 62611		3179.49	NAVD88	1	Z			A
1948-12-23			D 72019	8.51			1	Z			A

Explanation

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

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Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2025-01-27 16:52:13 EST

0.33 0.22 nadww02

STATE ENGINEER OFFICE
WELL RECORD

476015

Section 1. GENERAL INFORMATION

(A) Owner of well Yates Petroelum Owner's Well No. _____
Street or Post Office Address c/o Glenn's Water Well Service, Inc.
City and State P.O. Box 692 Tatum, N.M. 88267

Well was drilled under Permit No. CP-775 and is located in the:

- a. SW ¼ ne ¼ ne ¼ se ¼ of Section 11 Township 20-S. Range 30-E. N.M.P.M.
- b. Tract No. _____ of Map No. _____ of the _____
- c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.
- d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Glenn's Water Well Service, Inc. License No. WD 421
Address Box 692 Tatum, N.M. 88267

Drilling Began 9-11-92 Completed 9-11-92 Type tools rotary Size of hole 9 7/8 in.
Elevation of land surface or _____ at well is _____ ft. Total depth of well 350 ft.
Completed well is shallow artesian. Depth to water upon completion of well 40 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
45	65	20	Gyp rock	10
188	205	17	Sandy lime	10
295	336	41	Fractured lime	60

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
6 5/8	.219		1	350	350		46	84
							177	213
							280	350

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received September 18, 1992 Quad _____ FWL _____ FSL _____
File No. CP-775 Use OWD Location No. 20.30.11.412341



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National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click to hide News Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
 site_no list =
 • 323623103571401

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 323623103571401 20S.30E.03.22332

Eddy County, New Mexico
 Latitude 32°36'23", Longitude 103°57'14" NAD27
 Land-surface elevation 3,186 feet above NAVD88
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.
 This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1948-12-23			D 62610		3178.54	NGVD29	1	Z			A
1948-12-23			D 62611		3180.04	NAVD88	1	Z			A
1948-12-23			D 72019	5.96			1	Z			A

Explanation

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

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Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>

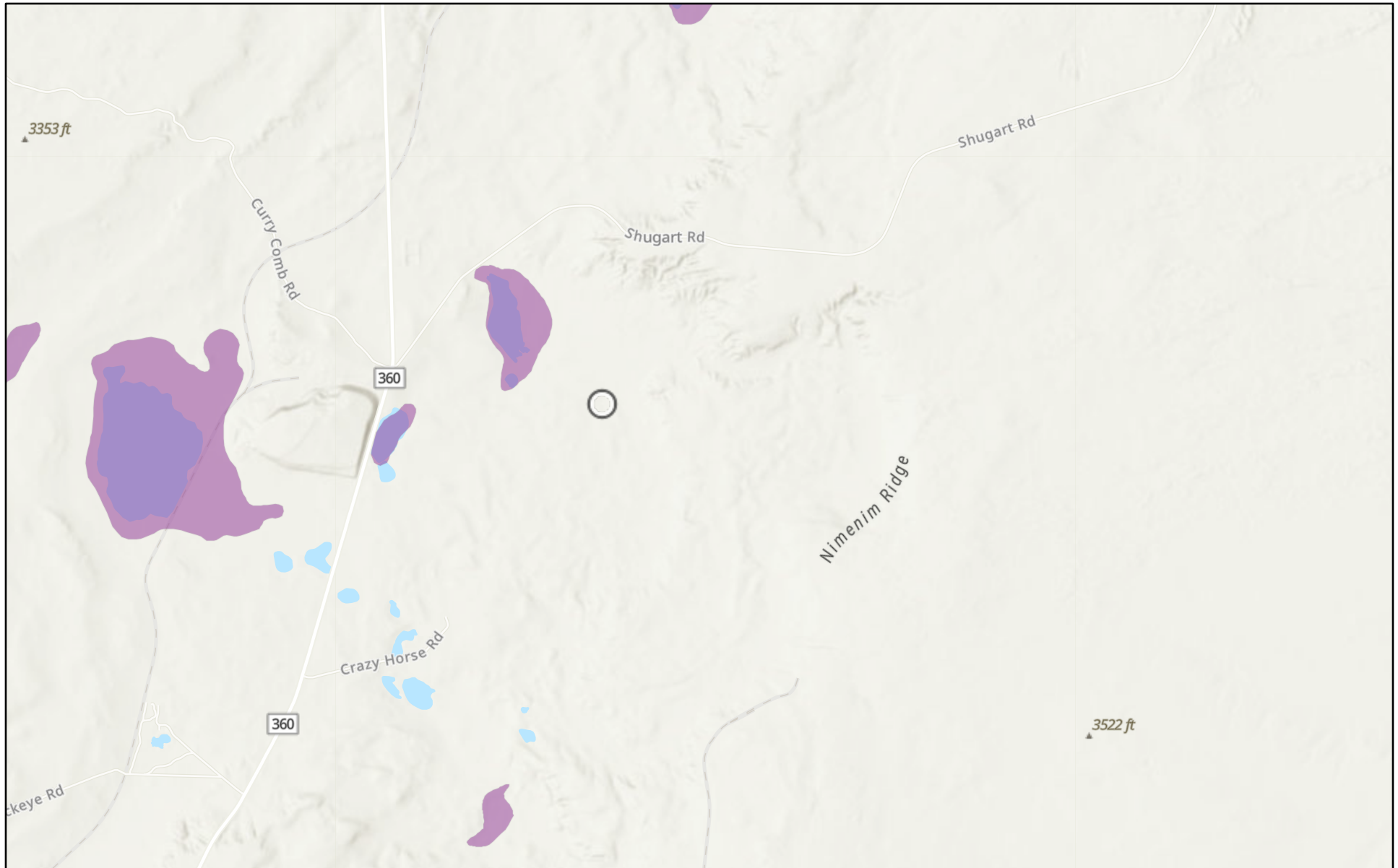


Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2025-01-27 16:52:57 EST

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Buena Vista 2 State Com 3H (07.11.2025)

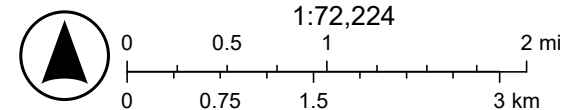


7/22/2025

USA Flood Hazard Areas

 1% Annual Chance Flood Hazard

World_Hillshade



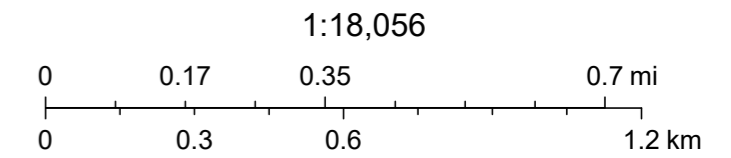
Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User

Buena Vista 2 State Com 3H (07.11.2025)



7/22/2025, 1:28:21 PM

- OSW Water Bodys
- OSE Streams



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APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/15/2025 10:54:19 AM

JOB DESCRIPTION

Buena Vista 2 State 3H
 Eddy County, New Mexico

JOB NUMBER

880-61390-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



Generated
8/15/2025 10:54:19 AM

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: Buena Vista 2 State 3H

Laboratory Job ID: 880-61390-1
SDG: Eddy County, New Mexico

Table of Contents

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QC Association Summary	15
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Certification Summary	19
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Definitions/Glossary

Client: Carmona Resources
Project/Site: Buena Vista 2 State 3H

Job ID: 880-61390-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Buena Vista 2 State 3H

Job ID: 880-61390-1

Job ID: 880-61390-1

Eurofins Midland

Job Narrative 880-61390-1

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

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

Receipt

The samples were received on 8/12/2025 3:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.2°C.

GC VOA

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: S-1 (2') (880-61390-3). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-116567 and analytical batch 880-116673 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

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

Eurofins Midland



Client Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-61390-1
 SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-61390-1

Date Collected: 08/11/25 00:00

Matrix: Solid

Date Received: 08/12/25 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/25 20:00	08/13/25 15:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/25 20:00	08/13/25 15:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/25 20:00	08/13/25 15:47	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/12/25 20:00	08/13/25 15:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/25 20:00	08/13/25 15:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/12/25 20:00	08/13/25 15:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	08/12/25 20:00	08/13/25 15:47	1
1,4-Difluorobenzene (Surr)	91		70 - 130	08/12/25 20:00	08/13/25 15:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/13/25 15:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	855		50.0		mg/Kg			08/14/25 20:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/13/25 07:33	08/14/25 20:36	1
Diesel Range Organics (Over C10-C28)	617		50.0		mg/Kg		08/13/25 07:33	08/14/25 20:36	1
Oil Range Organics (Over C28-C36)	238		50.0		mg/Kg		08/13/25 07:33	08/14/25 20:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130	08/13/25 07:33	08/14/25 20:36	1
o-Terphenyl (Surr)	102		70 - 130	08/13/25 07:33	08/14/25 20:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6160		101		mg/Kg			08/14/25 01:45	10

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-61390-2

Date Collected: 08/11/25 00:00

Matrix: Solid

Date Received: 08/12/25 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/12/25 20:00	08/13/25 16:07	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/12/25 20:00	08/13/25 16:07	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/12/25 20:00	08/13/25 16:07	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		08/12/25 20:00	08/13/25 16:07	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/12/25 20:00	08/13/25 16:07	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/12/25 20:00	08/13/25 16:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	08/12/25 20:00	08/13/25 16:07	1
1,4-Difluorobenzene (Surr)	90		70 - 130	08/12/25 20:00	08/13/25 16:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-61390-1
 SDG: Eddy County, New Mexico

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-61390-2

Date Collected: 08/11/25 00:00

Matrix: Solid

Date Received: 08/12/25 15:25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/13/25 16:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/14/25 20:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/13/25 07:33	08/14/25 20:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/13/25 07:33	08/14/25 20:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/13/25 07:33	08/14/25 20:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130				08/13/25 07:33	08/14/25 20:52	1
o-Terphenyl (Surr)	83		70 - 130				08/13/25 07:33	08/14/25 20:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5020		49.9		mg/Kg			08/14/25 01:53	5

Client Sample ID: S-1 (2')

Lab Sample ID: 880-61390-3

Date Collected: 08/11/25 00:00

Matrix: Solid

Date Received: 08/12/25 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/12/25 20:00	08/13/25 17:42	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/12/25 20:00	08/13/25 17:42	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/12/25 20:00	08/13/25 17:42	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		08/12/25 20:00	08/13/25 17:42	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/12/25 20:00	08/13/25 17:42	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/12/25 20:00	08/13/25 17:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				08/12/25 20:00	08/13/25 17:42	1
1,4-Difluorobenzene (Surr)	87		70 - 130				08/12/25 20:00	08/13/25 17:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/13/25 17:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/14/25 21:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/13/25 07:33	08/14/25 21:24	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/13/25 07:33	08/14/25 21:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-61390-1
 SDG: Eddy County, New Mexico

Client Sample ID: S-1 (2')

Lab Sample ID: 880-61390-3

Date Collected: 08/11/25 00:00

Matrix: Solid

Date Received: 08/12/25 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/13/25 07:33	08/14/25 21:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130				08/13/25 07:33	08/14/25 21:24	1
o-Terphenyl (Surr)	182	S1+	70 - 130				08/13/25 07:33	08/14/25 21:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1780		50.1		mg/Kg			08/14/25 02:01	5

Client Sample ID: S-1 (3')

Lab Sample ID: 880-61390-4

Date Collected: 08/11/25 00:00

Matrix: Solid

Date Received: 08/12/25 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/12/25 20:00	08/13/25 18:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/12/25 20:00	08/13/25 18:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/12/25 20:00	08/13/25 18:02	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		08/12/25 20:00	08/13/25 18:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/12/25 20:00	08/13/25 18:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/12/25 20:00	08/13/25 18:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				08/12/25 20:00	08/13/25 18:02	1
1,4-Difluorobenzene (Surr)	93		70 - 130				08/12/25 20:00	08/13/25 18:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/13/25 18:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/14/25 21:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/13/25 07:33	08/14/25 21:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/13/25 07:33	08/14/25 21:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/13/25 07:33	08/14/25 21:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130				08/13/25 07:33	08/14/25 21:40	1
o-Terphenyl (Surr)	89		70 - 130				08/13/25 07:33	08/14/25 21:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	667		10.1		mg/Kg			08/14/25 02:08	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-61390-1
 SDG: Eddy County, New Mexico

Client Sample ID: S-1 (4')

Lab Sample ID: 880-61390-5

Date Collected: 08/11/25 00:00

Matrix: Solid

Date Received: 08/12/25 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/12/25 20:00	08/13/25 18:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/12/25 20:00	08/13/25 18:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/12/25 20:00	08/13/25 18:23	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		08/12/25 20:00	08/13/25 18:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/12/25 20:00	08/13/25 18:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/12/25 20:00	08/13/25 18:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	08/12/25 20:00	08/13/25 18:23	1
1,4-Difluorobenzene (Surr)	88		70 - 130	08/12/25 20:00	08/13/25 18:23	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			08/13/25 18:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/14/25 21:56	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	<49.8	U	49.8		mg/Kg		08/13/25 07:33	08/14/25 21:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/13/25 07:33	08/14/25 21:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/13/25 07:33	08/14/25 21:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130	08/13/25 07:33	08/14/25 21:56	1
o-Terphenyl (Surr)	92		70 - 130	08/13/25 07:33	08/14/25 21:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.90	U	9.90		mg/Kg			08/14/25 02:16	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Buena Vista 2 State 3H

Job ID: 880-61390-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-61363-A-1-B MS	Matrix Spike	129	94
880-61363-A-1-C MSD	Matrix Spike Duplicate	117	97
880-61390-1	S-1 (0-1')	105	91
880-61390-2	S-1 (1.5')	108	90
880-61390-3	S-1 (2')	106	87
880-61390-4	S-1 (3')	110	93
880-61390-5	S-1 (4')	119	88
LCS 880-116513/1-A	Lab Control Sample	113	93
LCS 880-116513/2-A	Lab Control Sample Dup	109	93
MB 880-116513/5-A	Method Blank	102	84

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-61363-A-1-I MS	Matrix Spike	84	81
880-61363-A-1-J MSD	Matrix Spike Duplicate	98	90
880-61390-1	S-1 (0-1')	104	102
880-61390-2	S-1 (1.5')	91	83
880-61390-3	S-1 (2')	104	182 S1+
880-61390-4	S-1 (3')	105	89
880-61390-5	S-1 (4')	111	92
LCS 880-116567/2-A	Lab Control Sample	114	109
LCS 880-116567/3-A	Lab Control Sample Dup	117	112
MB 880-116567/1-A	Method Blank	85	79

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-61390-1
 SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-116513/5-A
 Matrix: Solid
 Analysis Batch: 116558

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 116513

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/25 14:04	08/13/25 12:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/25 14:04	08/13/25 12:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/25 14:04	08/13/25 12:41	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/12/25 14:04	08/13/25 12:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/25 14:04	08/13/25 12:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/12/25 14:04	08/13/25 12:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	08/12/25 14:04	08/13/25 12:41	1
1,4-Difluorobenzene (Surr)	84		70 - 130	08/12/25 14:04	08/13/25 12:41	1

Lab Sample ID: LCS 880-116513/1-A
 Matrix: Solid
 Analysis Batch: 116558

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 116513

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1060		mg/Kg		106	70 - 130
Toluene	0.100	0.1045		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1182		mg/Kg		118	70 - 130
m,p-Xylenes	0.200	0.2322		mg/Kg		116	70 - 130
o-Xylene	0.100	0.1157		mg/Kg		116	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-116513/2-A
 Matrix: Solid
 Analysis Batch: 116558

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 116513

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1060		mg/Kg		106	70 - 130	0	35
Toluene	0.100	0.09768		mg/Kg		98	70 - 130	7	35
Ethylbenzene	0.100	0.1112		mg/Kg		111	70 - 130	6	35
m,p-Xylenes	0.200	0.2181		mg/Kg		109	70 - 130	6	35
o-Xylene	0.100	0.1086		mg/Kg		109	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 880-61363-A-1-B MS
 Matrix: Solid
 Analysis Batch: 116558

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 116513

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	0.09394		mg/Kg		94	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-61390-1
 SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-61363-A-1-B MS
 Matrix: Solid
 Analysis Batch: 116558

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 116513

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1067		mg/Kg		107	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.2119		mg/Kg		106	70 - 130
o-Xylene	<0.00200	U	0.100	0.1065		mg/Kg		106	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-61363-A-1-C MSD
 Matrix: Solid
 Analysis Batch: 116558

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 116513

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	0.1005		mg/Kg		100	70 - 130	1	35
Toluene	<0.00200	U	0.100	0.09007		mg/Kg		90	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.100	0.09761		mg/Kg		98	70 - 130	9	35
m,p-Xylenes	<0.00399	U	0.200	0.1895		mg/Kg		95	70 - 130	11	35
o-Xylene	<0.00200	U	0.100	0.09543		mg/Kg		95	70 - 130	11	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-116567/1-A
 Matrix: Solid
 Analysis Batch: 116673

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 116567

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/13/25 07:33	08/14/25 15:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/13/25 07:33	08/14/25 15:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/13/25 07:33	08/14/25 15:24	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130	08/13/25 07:33	08/14/25 15:24	1
o-Terphenyl (Surr)	79		70 - 130	08/13/25 07:33	08/14/25 15:24	1

Lab Sample ID: LCS 880-116567/2-A
 Matrix: Solid
 Analysis Batch: 116673

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 116567

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	980.4		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	951.1		mg/Kg		95	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-61390-1
 SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-116567/2-A
Matrix: Solid
Analysis Batch: 116673

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116567

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	114		70 - 130
o-Terphenyl (Surr)	109		70 - 130

Lab Sample ID: LCSD 880-116567/3-A
Matrix: Solid
Analysis Batch: 116673

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 116567

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec		RPD	
		Result	Qualifier				Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	1003		mg/Kg		100	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	1000	992.0		mg/Kg		99	70 - 130	4	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	117		70 - 130
o-Terphenyl (Surr)	112		70 - 130

Lab Sample ID: 880-61363-A-1-I MS
Matrix: Solid
Analysis Batch: 116673

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 116567

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	728.1		mg/Kg		73	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	637.9	F1	mg/Kg		62	70 - 130	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	84		70 - 130
o-Terphenyl (Surr)	81		70 - 130

Lab Sample ID: 880-61363-A-1-J MSD
Matrix: Solid
Analysis Batch: 116673

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 116567

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec		RPD	
				Result	Qualifier				Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	846.9		mg/Kg		85	70 - 130	15	20	
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	749.8		mg/Kg		74	70 - 130	16	20	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	98		70 - 130
o-Terphenyl (Surr)	90		70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-61390-1
 SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-116534/1-A
 Matrix: Solid
 Analysis Batch: 116571

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/13/25 22:36	1

Lab Sample ID: LCS 880-116534/2-A
 Matrix: Solid
 Analysis Batch: 116571

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	243.9		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-116534/3-A
 Matrix: Solid
 Analysis Batch: 116571

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	243.0		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-61392-A-1-B MS
 Matrix: Solid
 Analysis Batch: 116571

Client Sample ID: Matrix Spike
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	186		250	423.1		mg/Kg		95	90 - 110

Lab Sample ID: 880-61392-A-1-C MSD
 Matrix: Solid
 Analysis Batch: 116571

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	186		250	417.9		mg/Kg		93	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-61390-1
 SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 116513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61390-1	S-1 (0-1')	Total/NA	Solid	5035	
880-61390-2	S-1 (1.5')	Total/NA	Solid	5035	
880-61390-3	S-1 (2')	Total/NA	Solid	5035	
880-61390-4	S-1 (3')	Total/NA	Solid	5035	
880-61390-5	S-1 (4')	Total/NA	Solid	5035	
MB 880-116513/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-116513/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-116513/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-61363-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-61363-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 116558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61390-1	S-1 (0-1')	Total/NA	Solid	8021B	116513
880-61390-2	S-1 (1.5')	Total/NA	Solid	8021B	116513
880-61390-3	S-1 (2')	Total/NA	Solid	8021B	116513
880-61390-4	S-1 (3')	Total/NA	Solid	8021B	116513
880-61390-5	S-1 (4')	Total/NA	Solid	8021B	116513
MB 880-116513/5-A	Method Blank	Total/NA	Solid	8021B	116513
LCS 880-116513/1-A	Lab Control Sample	Total/NA	Solid	8021B	116513
LCSD 880-116513/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	116513
880-61363-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	116513
880-61363-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	116513

Analysis Batch: 116651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61390-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-61390-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-61390-3	S-1 (2')	Total/NA	Solid	Total BTEX	
880-61390-4	S-1 (3')	Total/NA	Solid	Total BTEX	
880-61390-5	S-1 (4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 116567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61390-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-61390-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-61390-3	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-61390-4	S-1 (3')	Total/NA	Solid	8015NM Prep	
880-61390-5	S-1 (4')	Total/NA	Solid	8015NM Prep	
MB 880-116567/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-116567/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-116567/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-61363-A-1-I MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-61363-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 116673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61390-1	S-1 (0-1')	Total/NA	Solid	8015B NM	116567
880-61390-2	S-1 (1.5')	Total/NA	Solid	8015B NM	116567

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Buena Vista 2 State 3H

Job ID: 880-61390-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 116673 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61390-3	S-1 (2')	Total/NA	Solid	8015B NM	116567
880-61390-4	S-1 (3')	Total/NA	Solid	8015B NM	116567
880-61390-5	S-1 (4')	Total/NA	Solid	8015B NM	116567
MB 880-116567/1-A	Method Blank	Total/NA	Solid	8015B NM	116567
LCS 880-116567/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	116567
LCSD 880-116567/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	116567
880-61363-A-1-I MS	Matrix Spike	Total/NA	Solid	8015B NM	116567
880-61363-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	116567

Analysis Batch: 116759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61390-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-61390-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-61390-3	S-1 (2')	Total/NA	Solid	8015 NM	
880-61390-4	S-1 (3')	Total/NA	Solid	8015 NM	
880-61390-5	S-1 (4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 116534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61390-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-61390-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-61390-3	S-1 (2')	Soluble	Solid	DI Leach	
880-61390-4	S-1 (3')	Soluble	Solid	DI Leach	
880-61390-5	S-1 (4')	Soluble	Solid	DI Leach	
MB 880-116534/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-116534/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-116534/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-61392-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-61392-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 116571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61390-1	S-1 (0-1')	Soluble	Solid	300.0	116534
880-61390-2	S-1 (1.5')	Soluble	Solid	300.0	116534
880-61390-3	S-1 (2')	Soluble	Solid	300.0	116534
880-61390-4	S-1 (3')	Soluble	Solid	300.0	116534
880-61390-5	S-1 (4')	Soluble	Solid	300.0	116534
MB 880-116534/1-A	Method Blank	Soluble	Solid	300.0	116534
LCS 880-116534/2-A	Lab Control Sample	Soluble	Solid	300.0	116534
LCSD 880-116534/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	116534
880-61392-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	116534
880-61392-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	116534

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-61390-1
 SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-61390-1

Date Collected: 08/11/25 00:00

Matrix: Solid

Date Received: 08/12/25 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	116513	08/12/25 20:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116558	08/13/25 15:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116651	08/13/25 15:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			116759	08/14/25 20:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116567	08/13/25 07:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116673	08/14/25 20:36	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	116534	08/12/25 17:06	SMC	EET MID
Soluble	Analysis	300.0		10			116571	08/14/25 01:45	CS	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-61390-2

Date Collected: 08/11/25 00:00

Matrix: Solid

Date Received: 08/12/25 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	116513	08/12/25 20:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116558	08/13/25 16:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116651	08/13/25 16:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			116759	08/14/25 20:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	116567	08/13/25 07:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116673	08/14/25 20:52	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	116534	08/12/25 17:06	SMC	EET MID
Soluble	Analysis	300.0		5			116571	08/14/25 01:53	CS	EET MID

Client Sample ID: S-1 (2')

Lab Sample ID: 880-61390-3

Date Collected: 08/11/25 00:00

Matrix: Solid

Date Received: 08/12/25 15:25

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	116513	08/12/25 20:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116558	08/13/25 17:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116651	08/13/25 17:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			116759	08/14/25 21:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	116567	08/13/25 07:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116673	08/14/25 21:24	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	116534	08/12/25 17:06	SMC	EET MID
Soluble	Analysis	300.0		5			116571	08/14/25 02:01	CS	EET MID

Client Sample ID: S-1 (3')

Lab Sample ID: 880-61390-4

Date Collected: 08/11/25 00:00

Matrix: Solid

Date Received: 08/12/25 15:25

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	116513	08/12/25 20:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116558	08/13/25 18:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116651	08/13/25 18:02	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-61390-1
 SDG: Eddy County, New Mexico

Client Sample ID: S-1 (3')
Date Collected: 08/11/25 00:00
Date Received: 08/12/25 15:25

Lab Sample ID: 880-61390-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			116759	08/14/25 21:40	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116567	08/13/25 07:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116673	08/14/25 21:40	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	116534	08/12/25 17:06	SMC	EET MID
Soluble	Analysis	300.0		1			116571	08/14/25 02:08	CS	EET MID

Client Sample ID: S-1 (4')
Date Collected: 08/11/25 00:00
Date Received: 08/12/25 15:25

Lab Sample ID: 880-61390-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	116513	08/12/25 20:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116558	08/13/25 18:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116651	08/13/25 18:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			116759	08/14/25 21:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	116567	08/13/25 07:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116673	08/14/25 21:56	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	116534	08/12/25 17:06	SMC	EET MID
Soluble	Analysis	300.0		1			116571	08/14/25 02:16	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: Buena Vista 2 State 3H

Job ID: 880-61390-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
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- 13
- 14

Method Summary

Client: Carmona Resources
Project/Site: Buena Vista 2 State 3H

Job ID: 880-61390-1
SDG: Eddy County, New Mexico

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

Protocol References:

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

Laboratory References:

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



Sample Summary

Client: Carmona Resources
Project/Site: Buena Vista 2 State 3H

Job ID: 880-61390-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-61390-1	S-1 (0-1')	Solid	08/11/25 00:00	08/12/25 15:25	New Mexico
880-61390-2	S-1 (1.5')	Solid	08/11/25 00:00	08/12/25 15:25	New Mexico
880-61390-3	S-1 (2')	Solid	08/11/25 00:00	08/12/25 15:25	New Mexico
880-61390-4	S-1 (3')	Solid	08/11/25 00:00	08/12/25 15:25	New Mexico
880-61390-5	S-1 (4')	Solid	08/11/25 00:00	08/12/25 15:25	New Mexico

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Chain of Custody



880-61390 Chain of Custody

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 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

Project Name: Buena Vista 2 State 3H
Project Number: 2808
Project Location: Eddy County, New Mexico
Sampler's Name: CRM
PO #:

Turn Around: Routine Rush
Due Date: 72 HR TAT

Temp Blank: Yes No
Thermometer ID:
Correction Factor:
Temperature Reading:
Corrected Temperature:

Wet Ice: Yes No

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters		Pres. Code	ANALYSIS REQUEST	Preservative Codes
							TPH 8015M (GRO + DRO + MRO)	Chloride 300.0			
S-1 (0-1')	8/11/2025		X		G	1	X	X		None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
S-1 (1.5')	8/11/2025		X		G	1	X	X			
S-1 (2')	8/11/2025		X		G	1	X	X			
S-1 (3')	8/11/2025		X		G	1	X	X			
S-1 (4')	8/11/2025		X		G	1	X	X			

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

Relinquished by: (Signature) *[Signature]* Date/Time: 8/12/25 @ 15:15

Received by: (Signature) *[Signature]* Date/Time: 8/12/25 @ 15:15



Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-61390-1
SDG Number: Eddy County, New Mexico

Login Number: 61390

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 8/15/2025 10:54:04 AM

JOB DESCRIPTION

Buena Vista 2 State 3H
 Eddy County, New Mexico

JOB NUMBER

880-61389-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



Eurofins Midland

Job Notes

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

Authorization



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

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Client: Carmona Resources
Project/Site: Buena Vista 2 State 3H

Laboratory Job ID: 880-61389-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Buena Vista 2 State 3H

Job ID: 880-61389-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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: Buena Vista 2 State 3H

Job ID: 880-61389-1

Job ID: 880-61389-1

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Job Narrative 880-61389-1

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

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

Receipt

The samples were received on 8/12/2025 3:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.2°C.

GC VOA

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-116583 and analytical batch 880-116573 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Diesel Range Organics

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-116567 and analytical batch 880-116673 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

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

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Client Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-61389-1
 SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-61389-1

Date Collected: 08/11/25 00:00

Matrix: Solid

Date Received: 08/12/25 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/13/25 09:23	08/13/25 13:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/13/25 09:23	08/13/25 13:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/13/25 09:23	08/13/25 13:38	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		08/13/25 09:23	08/13/25 13:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/13/25 09:23	08/13/25 13:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/13/25 09:23	08/13/25 13:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	08/13/25 09:23	08/13/25 13:38	1
1,4-Difluorobenzene (Surr)	96		70 - 130	08/13/25 09:23	08/13/25 13:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/13/25 13:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/14/25 19:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/13/25 07:33	08/14/25 19:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/13/25 07:33	08/14/25 19:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/13/25 07:33	08/14/25 19:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130	08/13/25 07:33	08/14/25 19:31	1
o-Terphenyl (Surr)	81		70 - 130	08/13/25 07:33	08/14/25 19:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/14/25 01:07	1

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

Lab Sample ID: 880-61389-2

Date Collected: 08/11/25 00:00

Matrix: Solid

Date Received: 08/12/25 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/13/25 09:23	08/13/25 13:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/13/25 09:23	08/13/25 13:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/13/25 09:23	08/13/25 13:59	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		08/13/25 09:23	08/13/25 13:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/13/25 09:23	08/13/25 13:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/13/25 09:23	08/13/25 13:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	08/13/25 09:23	08/13/25 13:59	1
1,4-Difluorobenzene (Surr)	96		70 - 130	08/13/25 09:23	08/13/25 13:59	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-61389-1
 SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-61389-2

Date Collected: 08/11/25 00:00

Matrix: Solid

Date Received: 08/12/25 15:25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/13/25 13:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/14/25 19:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/13/25 07:33	08/14/25 19:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/13/25 07:33	08/14/25 19:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/13/25 07:33	08/14/25 19:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130				08/13/25 07:33	08/14/25 19:47	1
o-Terphenyl (Surr)	84		70 - 130				08/13/25 07:33	08/14/25 19:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/14/25 01:15	1

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

Lab Sample ID: 880-61389-3

Date Collected: 08/11/25 00:00

Matrix: Solid

Date Received: 08/12/25 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/13/25 09:23	08/13/25 14:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/13/25 09:23	08/13/25 14:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/13/25 09:23	08/13/25 14:19	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		08/13/25 09:23	08/13/25 14:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/13/25 09:23	08/13/25 14:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/13/25 09:23	08/13/25 14:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				08/13/25 09:23	08/13/25 14:19	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/13/25 09:23	08/13/25 14:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/13/25 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/14/25 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	<49.9	U	49.9		mg/Kg		08/13/25 07:33	08/14/25 20:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/13/25 07:33	08/14/25 20:20	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-61389-1
 SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-61389-3

Date Collected: 08/11/25 00:00

Matrix: Solid

Date Received: 08/12/25 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/13/25 07:33	08/14/25 20:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130				08/13/25 07:33	08/14/25 20:20	1
o-Terphenyl (Surr)	72		70 - 130				08/13/25 07:33	08/14/25 20:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.90	U	9.90		mg/Kg			08/14/25 01:38	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Buena Vista 2 State 3H

Job ID: 880-61389-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-61389-1	H-1 (0-0.5')	107	96
880-61389-2	H-2 (0-0.5')	106	96
880-61389-3	H-3 (0-0.5')	105	96
890-8622-A-1-C MS	Matrix Spike	105	100
890-8622-A-1-D MSD	Matrix Spike Duplicate	107	103
LCS 880-116583/1-A	Lab Control Sample	110	99
LCSD 880-116583/2-A	Lab Control Sample Dup	107	98
MB 880-116583/5-A	Method Blank	104	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
880-61363-A-1-I MS	Matrix Spike	84	81
880-61363-A-1-J MSD	Matrix Spike Duplicate	98	90
880-61389-1	H-1 (0-0.5')	105	81
880-61389-2	H-2 (0-0.5')	104	84
880-61389-3	H-3 (0-0.5')	87	72
LCS 880-116567/2-A	Lab Control Sample	114	109
LCSD 880-116567/3-A	Lab Control Sample Dup	117	112
MB 880-116567/1-A	Method Blank	85	79

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-61389-1
 SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-116583/5-A
 Matrix: Solid
 Analysis Batch: 116573

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 116583

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/13/25 09:23	08/13/25 11:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/13/25 09:23	08/13/25 11:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/13/25 09:23	08/13/25 11:34	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/13/25 09:23	08/13/25 11:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/13/25 09:23	08/13/25 11:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/13/25 09:23	08/13/25 11:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	08/13/25 09:23	08/13/25 11:34	1
1,4-Difluorobenzene (Surr)	94		70 - 130	08/13/25 09:23	08/13/25 11:34	1

Lab Sample ID: LCS 880-116583/1-A
 Matrix: Solid
 Analysis Batch: 116573

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 116583

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09745		mg/Kg		97	70 - 130
Toluene	0.100	0.1013		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.1060		mg/Kg		106	70 - 130
m,p-Xylenes	0.200	0.2158		mg/Kg		108	70 - 130
o-Xylene	0.100	0.08752		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-116583/2-A
 Matrix: Solid
 Analysis Batch: 116573

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 116583

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09879		mg/Kg		99	70 - 130	1	35
Toluene	0.100	0.1025		mg/Kg		102	70 - 130	1	35
Ethylbenzene	0.100	0.1070		mg/Kg		107	70 - 130	1	35
m,p-Xylenes	0.200	0.2175		mg/Kg		109	70 - 130	1	35
o-Xylene	0.100	0.08826		mg/Kg		88	70 - 130	1	35

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

Lab Sample ID: 890-8622-A-1-C MS
 Matrix: Solid
 Analysis Batch: 116573

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 116583

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09216		mg/Kg		92	70 - 130
Toluene	<0.00200	U	0.100	0.08750		mg/Kg		88	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-61389-1
 SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-8622-A-1-C MS
 Matrix: Solid
 Analysis Batch: 116573

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 116583

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier		Result	Qualifier					Limits
Ethylbenzene	<0.00200	U	0.100	0.08878		mg/Kg		89	70 - 130	
m,p-Xylenes	<0.00399	U	0.200	0.1759		mg/Kg		88	70 - 130	
o-Xylene	<0.00200	U F1	0.100	0.07161		mg/Kg		72	70 - 130	
		MS	MS							
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	105		70 - 130							
1,4-Difluorobenzene (Surr)	100		70 - 130							

Lab Sample ID: 890-8622-A-1-D MSD
 Matrix: Solid
 Analysis Batch: 116573

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 116583

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U	0.100	0.09576		mg/Kg		96	70 - 130	4	35
Toluene	<0.00200	U	0.100	0.08716		mg/Kg		87	70 - 130	0	35
Ethylbenzene	<0.00200	U	0.100	0.08373		mg/Kg		84	70 - 130	6	35
m,p-Xylenes	<0.00399	U	0.200	0.1653		mg/Kg		83	70 - 130	6	35
o-Xylene	<0.00200	U F1	0.100	0.06913	F1	mg/Kg		69	70 - 130	4	35
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	107		70 - 130								
1,4-Difluorobenzene (Surr)	103		70 - 130								

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

Lab Sample ID: MB 880-116567/1-A
 Matrix: Solid
 Analysis Batch: 116673

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 116567

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		08/13/25 07:33	08/14/25 15:24	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/13/25 07:33	08/14/25 15:24	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/13/25 07:33	08/14/25 15:24	1	
		MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
1-Chlorooctane (Surr)	85		70 - 130	08/13/25 07:33	08/14/25 15:24	1				
o-Terphenyl (Surr)	79		70 - 130	08/13/25 07:33	08/14/25 15:24	1				

Lab Sample ID: LCS 880-116567/2-A
 Matrix: Solid
 Analysis Batch: 116673

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 116567

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	980.4		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	951.1		mg/Kg		95	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-61389-1
 SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-116567/2-A
Matrix: Solid
Analysis Batch: 116673

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116567

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	114		70 - 130
o-Terphenyl (Surr)	109		70 - 130

Lab Sample ID: LCSD 880-116567/3-A
Matrix: Solid
Analysis Batch: 116673

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 116567

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	1003		mg/Kg		100	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	1000	992.0		mg/Kg		99	70 - 130	4	20	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	117		70 - 130
o-Terphenyl (Surr)	112		70 - 130

Lab Sample ID: 880-61363-A-1-I MS
Matrix: Solid
Analysis Batch: 116673

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 116567

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	728.1		mg/Kg		73	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	637.9	F1	mg/Kg		62	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	84		70 - 130
o-Terphenyl (Surr)	81		70 - 130

Lab Sample ID: 880-61363-A-1-J MSD
Matrix: Solid
Analysis Batch: 116673

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 116567

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	846.9		mg/Kg		85	70 - 130	15
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	749.8		mg/Kg		74	70 - 130	16

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	98		70 - 130
o-Terphenyl (Surr)	90		70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-61389-1
 SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-116534/1-A
 Matrix: Solid
 Analysis Batch: 116571

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/13/25 22:36	1

Lab Sample ID: LCS 880-116534/2-A
 Matrix: Solid
 Analysis Batch: 116571

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	243.9		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-116534/3-A
 Matrix: Solid
 Analysis Batch: 116571

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	243.0		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-61392-A-1-B MS
 Matrix: Solid
 Analysis Batch: 116571

Client Sample ID: Matrix Spike
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	186		250	423.1		mg/Kg		95	90 - 110

Lab Sample ID: 880-61392-A-1-C MSD
 Matrix: Solid
 Analysis Batch: 116571

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	186		250	417.9		mg/Kg		93	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Buena Vista 2 State 3H

Job ID: 880-61389-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 116573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61389-1	H-1 (0-0.5')	Total/NA	Solid	8021B	116583
880-61389-2	H-2 (0-0.5')	Total/NA	Solid	8021B	116583
880-61389-3	H-3 (0-0.5')	Total/NA	Solid	8021B	116583
MB 880-116583/5-A	Method Blank	Total/NA	Solid	8021B	116583
LCS 880-116583/1-A	Lab Control Sample	Total/NA	Solid	8021B	116583
LCSD 880-116583/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	116583
890-8622-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	116583
890-8622-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	116583

Prep Batch: 116583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61389-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-61389-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-61389-3	H-3 (0-0.5')	Total/NA	Solid	5035	
MB 880-116583/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-116583/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-116583/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8622-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-8622-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 116653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61389-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-61389-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-61389-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 116567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61389-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-61389-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-61389-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-116567/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-116567/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-116567/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-61363-A-1-I MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-61363-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 116673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61389-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	116567
880-61389-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	116567
880-61389-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	116567
MB 880-116567/1-A	Method Blank	Total/NA	Solid	8015B NM	116567
LCS 880-116567/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	116567
LCSD 880-116567/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	116567
880-61363-A-1-I MS	Matrix Spike	Total/NA	Solid	8015B NM	116567
880-61363-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	116567

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Buena Vista 2 State 3H

Job ID: 880-61389-1
SDG: Eddy County, New Mexico

GC Semi VOA

Analysis Batch: 116758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61389-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-61389-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-61389-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 116534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61389-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-61389-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-61389-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-116534/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-116534/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-116534/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-61392-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-61392-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 116571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61389-1	H-1 (0-0.5')	Soluble	Solid	300.0	116534
880-61389-2	H-2 (0-0.5')	Soluble	Solid	300.0	116534
880-61389-3	H-3 (0-0.5')	Soluble	Solid	300.0	116534
MB 880-116534/1-A	Method Blank	Soluble	Solid	300.0	116534
LCS 880-116534/2-A	Lab Control Sample	Soluble	Solid	300.0	116534
LCSD 880-116534/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	116534
880-61392-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	116534
880-61392-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	116534

Lab Chronicle

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-61389-1
 SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-61389-1

Date Collected: 08/11/25 00:00

Matrix: Solid

Date Received: 08/12/25 15:25

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	116583	08/13/25 09:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116573	08/13/25 13:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116653	08/13/25 13:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			116758	08/14/25 19:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116567	08/13/25 07:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116673	08/14/25 19:31	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	116534	08/12/25 17:06	SMC	EET MID
Soluble	Analysis	300.0		1			116571	08/14/25 01:07	CS	EET MID

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

Lab Sample ID: 880-61389-2

Date Collected: 08/11/25 00:00

Matrix: Solid

Date Received: 08/12/25 15:25

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	116583	08/13/25 09:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116573	08/13/25 13:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116653	08/13/25 13:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			116758	08/14/25 19:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	116567	08/13/25 07:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116673	08/14/25 19:47	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	116534	08/12/25 17:06	SMC	EET MID
Soluble	Analysis	300.0		1			116571	08/14/25 01:15	CS	EET MID

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

Lab Sample ID: 880-61389-3

Date Collected: 08/11/25 00:00

Matrix: Solid

Date Received: 08/12/25 15:25

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	116583	08/13/25 09:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116573	08/13/25 14:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116653	08/13/25 14:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			116758	08/14/25 20:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	116567	08/13/25 07:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116673	08/14/25 20:20	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	116534	08/12/25 17:06	SMC	EET MID
Soluble	Analysis	300.0		1			116571	08/14/25 01:38	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: Buena Vista 2 State 3H

Job ID: 880-61389-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

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

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

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

- 1
- 2
- 3
- 4
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Method Summary

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-61389-1
 SDG: Eddy County, New Mexico

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

Protocol References:

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

Laboratory References:

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



Sample Summary

Client: Carmona Resources
Project/Site: Buena Vista 2 State 3H

Job ID: 880-61389-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-61389-1	H-1 (0-0.5')	Solid	08/11/25 00:00	08/12/25 15:25	New Mexico
880-61389-2	H-2 (0-0.5')	Solid	08/11/25 00:00	08/12/25 15:25	New Mexico
880-61389-3	H-3 (0-0.5')	Solid	08/11/25 00:00	08/12/25 15:25	New Mexico

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-61389-1
SDG Number: Eddy County, New Mexico

Login Number: 61389

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 12/23/2025 12:48:17 PM

JOB DESCRIPTION

Buena Vista 2 State 3H
 Eddy County New Mexico

JOB NUMBER

880-66422-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



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12/23/2025 12:48:17 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: Buena Vista 2 State 3H

Laboratory Job ID: 880-66422-1
SDG: Eddy County New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
SDG: Eddy County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Buena Vista 2 State 3H

Job ID: 880-66422-1

Job ID: 880-66422-1

Eurofins Midland

Job Narrative 880-66422-1

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 12/22/2025 11:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.5°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-127366 and analytical batch 880-127400 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

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

Eurofins Midland



Client Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
 SDG: Eddy County New Mexico

Client Sample ID: CS-1 (4')

Lab Sample ID: 880-66422-1

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/22/25 14:19	12/22/25 22:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/22/25 14:19	12/22/25 22:51	1
Ethylbenzene	0.00267		0.00200		mg/Kg		12/22/25 14:19	12/22/25 22:51	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		12/22/25 14:19	12/22/25 22:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/22/25 14:19	12/22/25 22:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/22/25 14:19	12/22/25 22:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	12/22/25 14:19	12/22/25 22:51	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/22/25 14:19	12/22/25 22:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/22/25 13:29	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	<50.0	U	50.0		mg/Kg		12/22/25 08:07	12/22/25 13:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/22/25 08:07	12/22/25 13:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/22/25 08:07	12/22/25 13:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130	12/22/25 08:07	12/22/25 13:29	1
o-Terphenyl (Surr)	92		70 - 130	12/22/25 08:07	12/22/25 13:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.0		9.98		mg/Kg			12/22/25 23:36	1

Client Sample ID: CS-2 (4')

Lab Sample ID: 880-66422-2

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/22/25 14:19	12/22/25 23:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/22/25 14:19	12/22/25 23:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/22/25 14:19	12/22/25 23:12	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		12/22/25 14:19	12/22/25 23:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/22/25 14:19	12/22/25 23:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/22/25 14:19	12/22/25 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	12/22/25 14:19	12/22/25 23:12	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/22/25 14:19	12/22/25 23:12	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
 SDG: Eddy County New Mexico

Client Sample ID: CS-2 (4')

Lab Sample ID: 880-66422-2

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/22/25 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	<49.9	U	49.9		mg/Kg			12/22/25 13:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/22/25 08:07	12/22/25 13:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/22/25 08:07	12/22/25 13:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/22/25 08:07	12/22/25 13:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130				12/22/25 08:07	12/22/25 13:43	1
o-Terphenyl (Surr)	87		70 - 130				12/22/25 08:07	12/22/25 13:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.8		9.96		mg/Kg			12/22/25 23:58	1

Client Sample ID: CS-3 (4')

Lab Sample ID: 880-66422-3

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/22/25 14:19	12/22/25 23:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/22/25 14:19	12/22/25 23:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/22/25 14:19	12/22/25 23:32	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		12/22/25 14:19	12/22/25 23:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/22/25 14:19	12/22/25 23:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/22/25 14:19	12/22/25 23:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				12/22/25 14:19	12/22/25 23:32	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/22/25 14:19	12/22/25 23:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/22/25 23:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			12/22/25 13:57	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	<50.2	U	50.2		mg/Kg		12/22/25 08:07	12/22/25 13:57	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		12/22/25 08:07	12/22/25 13:57	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
 SDG: Eddy County New Mexico

Client Sample ID: CS-3 (4')

Lab Sample ID: 880-66422-3

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		12/22/25 08:07	12/22/25 13:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130				12/22/25 08:07	12/22/25 13:57	1
o-Terphenyl (Surr)	88		70 - 130				12/22/25 08:07	12/22/25 13:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.4		10.1		mg/Kg			12/23/25 00:05	1

Client Sample ID: SW-1 (4')

Lab Sample ID: 880-66422-4

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/22/25 14:19	12/22/25 23:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/22/25 14:19	12/22/25 23:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/22/25 14:19	12/22/25 23:53	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		12/22/25 14:19	12/22/25 23:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/22/25 14:19	12/22/25 23:53	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/22/25 14:19	12/22/25 23:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				12/22/25 14:19	12/22/25 23:53	1
1,4-Difluorobenzene (Surr)	95		70 - 130				12/22/25 14:19	12/22/25 23:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/22/25 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			12/22/25 14:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/22/25 08:07	12/22/25 14:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/22/25 08:07	12/22/25 14:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/22/25 08:07	12/22/25 14:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130				12/22/25 08:07	12/22/25 14:10	1
o-Terphenyl (Surr)	83		70 - 130				12/22/25 08:07	12/22/25 14:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.3		10.0		mg/Kg			12/23/25 00:12	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
 SDG: Eddy County New Mexico

Client Sample ID: SW-2 (4')

Lab Sample ID: 880-66422-5

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/22/25 14:19	12/23/25 00:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/22/25 14:19	12/23/25 00:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/22/25 14:19	12/23/25 00:13	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		12/22/25 14:19	12/23/25 00:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/22/25 14:19	12/23/25 00:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/22/25 14:19	12/23/25 00:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/22/25 14:19	12/23/25 00:13	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/22/25 14:19	12/23/25 00:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/23/25 00:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/22/25 14:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/22/25 08:07	12/22/25 14:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/22/25 08:07	12/22/25 14:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/22/25 08:07	12/22/25 14:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130	12/22/25 08:07	12/22/25 14:24	1
o-Terphenyl (Surr)	82		70 - 130	12/22/25 08:07	12/22/25 14:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.3		10.0		mg/Kg			12/23/25 00:19	1

Client Sample ID: SW-3 (4')

Lab Sample ID: 880-66422-6

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/22/25 14:19	12/23/25 00:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/22/25 14:19	12/23/25 00:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/22/25 14:19	12/23/25 00:33	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		12/22/25 14:19	12/23/25 00:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/22/25 14:19	12/23/25 00:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/22/25 14:19	12/23/25 00:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	12/22/25 14:19	12/23/25 00:33	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/22/25 14:19	12/23/25 00:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
 SDG: Eddy County New Mexico

Client Sample ID: SW-3 (4')

Lab Sample ID: 880-66422-6

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/23/25 00:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/22/25 14:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/22/25 08:07	12/22/25 14:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/22/25 08:07	12/22/25 14:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/22/25 08:07	12/22/25 14:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130				12/22/25 08:07	12/22/25 14:52	1
o-Terphenyl (Surr)	87		70 - 130				12/22/25 08:07	12/22/25 14:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.0		10.0		mg/Kg			12/23/25 00:40	1

Client Sample ID: SW-4 (4')

Lab Sample ID: 880-66422-7

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/22/25 14:19	12/23/25 00:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/22/25 14:19	12/23/25 00:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/22/25 14:19	12/23/25 00:54	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		12/22/25 14:19	12/23/25 00:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/22/25 14:19	12/23/25 00:54	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/22/25 14:19	12/23/25 00:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				12/22/25 14:19	12/23/25 00:54	1
1,4-Difluorobenzene (Surr)	97		70 - 130				12/22/25 14:19	12/23/25 00:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/23/25 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	<50.2	U	50.2		mg/Kg			12/22/25 15:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		12/22/25 08:07	12/22/25 15:07	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		12/22/25 08:07	12/22/25 15:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
 SDG: Eddy County New Mexico

Client Sample ID: SW-4 (4')

Lab Sample ID: 880-66422-7

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		12/22/25 08:07	12/22/25 15:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130				12/22/25 08:07	12/22/25 15:07	1
o-Terphenyl (Surr)	88		70 - 130				12/22/25 08:07	12/22/25 15:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.6		10.1		mg/Kg			12/23/25 00:47	1

Client Sample ID: SW-5 (4')

Lab Sample ID: 880-66422-8

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/22/25 14:19	12/23/25 01:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/22/25 14:19	12/23/25 01:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/22/25 14:19	12/23/25 01:15	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		12/22/25 14:19	12/23/25 01:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/22/25 14:19	12/23/25 01:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/22/25 14:19	12/23/25 01:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				12/22/25 14:19	12/23/25 01:15	1
1,4-Difluorobenzene (Surr)	102		70 - 130				12/22/25 14:19	12/23/25 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			12/23/25 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			12/22/25 15:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/22/25 08:07	12/22/25 15:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/22/25 08:07	12/22/25 15:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/22/25 08:07	12/22/25 15:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130				12/22/25 08:07	12/22/25 15:39	1
o-Terphenyl (Surr)	85		70 - 130				12/22/25 08:07	12/22/25 15:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			12/23/25 00:54	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
 SDG: Eddy County New Mexico

Client Sample ID: SW-6 (4')

Lab Sample ID: 880-66422-9

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/22/25 14:19	12/23/25 01:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/22/25 14:19	12/23/25 01:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/22/25 14:19	12/23/25 01:35	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		12/22/25 14:19	12/23/25 01:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/22/25 14:19	12/23/25 01:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/22/25 14:19	12/23/25 01:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	12/22/25 14:19	12/23/25 01:35	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/22/25 14:19	12/23/25 01:35	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			12/23/25 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	<49.8	U	49.8		mg/Kg			12/22/25 15:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/22/25 08:07	12/22/25 15:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/22/25 08:07	12/22/25 15:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/22/25 08:07	12/22/25 15:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130	12/22/25 08:07	12/22/25 15:53	1
o-Terphenyl (Surr)	91		70 - 130	12/22/25 08:07	12/22/25 15:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.3		10.0		mg/Kg			12/23/25 01:01	1

Client Sample ID: SW-7 (4')

Lab Sample ID: 880-66422-10

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/22/25 14:19	12/23/25 01:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/22/25 14:19	12/23/25 01:55	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/22/25 14:19	12/23/25 01:55	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		12/22/25 14:19	12/23/25 01:55	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/22/25 14:19	12/23/25 01:55	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/22/25 14:19	12/23/25 01:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	12/22/25 14:19	12/23/25 01:55	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/22/25 14:19	12/23/25 01:55	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
 SDG: Eddy County New Mexico

Client Sample ID: SW-7 (4')

Lab Sample ID: 880-66422-10

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/23/25 01:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/22/25 16:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/22/25 08:07	12/22/25 16:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/22/25 08:07	12/22/25 16:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/22/25 08:07	12/22/25 16:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130				12/22/25 08:07	12/22/25 16:06	1
o-Terphenyl (Surr)	90		70 - 130				12/22/25 08:07	12/22/25 16:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.4		9.98		mg/Kg			12/23/25 01:08	1

Client Sample ID: SW-8 (4')

Lab Sample ID: 880-66422-11

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/22/25 14:19	12/23/25 03:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/22/25 14:19	12/23/25 03:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/22/25 14:19	12/23/25 03:29	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		12/22/25 14:19	12/23/25 03:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/22/25 14:19	12/23/25 03:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/22/25 14:19	12/23/25 03:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				12/22/25 14:19	12/23/25 03:29	1
1,4-Difluorobenzene (Surr)	97		70 - 130				12/22/25 14:19	12/23/25 03:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/23/25 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	<50.0	U	50.0		mg/Kg			12/22/25 16:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/22/25 08:07	12/22/25 16:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/22/25 08:07	12/22/25 16:21	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
 SDG: Eddy County New Mexico

Client Sample ID: SW-8 (4')

Lab Sample ID: 880-66422-11

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/22/25 08:07	12/22/25 16:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130				12/22/25 08:07	12/22/25 16:21	1
o-Terphenyl (Surr)	85		70 - 130				12/22/25 08:07	12/22/25 16:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.8		9.94		mg/Kg			12/23/25 01:15	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-66422-1	CS-1 (4')	110	93
880-66422-1 MS	CS-1 (4')	106	106
880-66422-1 MSD	CS-1 (4')	109	110
880-66422-2	CS-2 (4')	114	99
880-66422-3	CS-3 (4')	115	104
880-66422-4	SW-1 (4')	112	95
880-66422-5	SW-2 (4')	105	97
880-66422-6	SW-3 (4')	115	99
880-66422-7	SW-4 (4')	107	97
880-66422-8	SW-5 (4')	106	102
880-66422-9	SW-6 (4')	111	97
880-66422-10	SW-7 (4')	104	93
880-66422-11	SW-8 (4')	105	97
LCS 880-127491/1-A	Lab Control Sample	104	106
LCSD 880-127491/2-A	Lab Control Sample Dup	106	105
MB 880-127271/5-A	Method Blank	109	95
MB 880-127491/5-A	Method Blank	111	88

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)
880-66391-A-1-B MS	Matrix Spike	85	81
880-66391-A-1-C MSD	Matrix Spike Duplicate	87	82
880-66422-1	CS-1 (4')	91	92
880-66422-2	CS-2 (4')	89	87
880-66422-3	CS-3 (4')	88	88
880-66422-4	SW-1 (4')	85	83
880-66422-5	SW-2 (4')	84	82
880-66422-6	SW-3 (4')	89	87
880-66422-7	SW-4 (4')	88	88
880-66422-8	SW-5 (4')	88	85
880-66422-9	SW-6 (4')	92	91
880-66422-10	SW-7 (4')	90	90
880-66422-11	SW-8 (4')	87	85
LCS 880-127366/2-A	Lab Control Sample	93	90
LCSD 880-127366/3-A	Lab Control Sample Dup	94	90
MB 880-127366/1-A	Method Blank	98	98

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

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QC Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
 SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-127271/5-A
 Matrix: Solid
 Analysis Batch: 127379

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 127271

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/19/25 13:11	12/22/25 11:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/19/25 13:11	12/22/25 11:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/19/25 13:11	12/22/25 11:32	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		12/19/25 13:11	12/22/25 11:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/19/25 13:11	12/22/25 11:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/19/25 13:11	12/22/25 11:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	12/19/25 13:11	12/22/25 11:32	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/19/25 13:11	12/22/25 11:32	1

Lab Sample ID: MB 880-127491/5-A
 Matrix: Solid
 Analysis Batch: 127379

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 127491

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/22/25 14:19	12/22/25 22:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/22/25 14:19	12/22/25 22:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/22/25 14:19	12/22/25 22:29	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		12/22/25 14:19	12/22/25 22:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/22/25 14:19	12/22/25 22:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/22/25 14:19	12/22/25 22:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	12/22/25 14:19	12/22/25 22:29	1
1,4-Difluorobenzene (Surr)	88		70 - 130	12/22/25 14:19	12/22/25 22:29	1

Lab Sample ID: LCS 880-127491/1-A
 Matrix: Solid
 Analysis Batch: 127379

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 127491

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1041		mg/Kg		104	70 - 130
Toluene	0.100	0.09283		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.1018		mg/Kg		102	70 - 130
m,p-Xylenes	0.200	0.1975		mg/Kg		99	70 - 130
o-Xylene	0.100	0.09863		mg/Kg		99	70 - 130

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

Lab Sample ID: LCSD 880-127491/2-A
 Matrix: Solid
 Analysis Batch: 127379

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 127491

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1071		mg/Kg		107	70 - 130	3	35

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QC Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
 SDG: Eddy County New Mexico

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

Lab Sample ID: LCSD 880-127491/2-A
 Matrix: Solid
 Analysis Batch: 127379

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 127491

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09762		mg/Kg		98	70 - 130	5	35
Ethylbenzene	0.100	0.1024		mg/Kg		102	70 - 130	1	35
m,p-Xylenes	0.200	0.1999		mg/Kg		100	70 - 130	1	35
o-Xylene	0.100	0.1013		mg/Kg		101	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-66422-1 MS
 Matrix: Solid
 Analysis Batch: 127379

Client Sample ID: CS-1 (4')
 Prep Type: Total/NA
 Prep Batch: 127491

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09480		mg/Kg		95	70 - 130
Toluene	<0.00200	U	0.100	0.08077		mg/Kg		81	70 - 130
Ethylbenzene	0.00267		0.100	0.08682		mg/Kg		84	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1669		mg/Kg		83	70 - 130
o-Xylene	<0.00200	U	0.100	0.08310		mg/Kg		83	70 - 130

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

Lab Sample ID: 880-66422-1 MSD
 Matrix: Solid
 Analysis Batch: 127379

Client Sample ID: CS-1 (4')
 Prep Type: Total/NA
 Prep Batch: 127491

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	0.08155		mg/Kg		82	70 - 130	15	35
Toluene	<0.00200	U	0.100	0.06991		mg/Kg		70	70 - 130	14	35
Ethylbenzene	0.00267		0.100	0.07685		mg/Kg		74	70 - 130	12	35
m,p-Xylenes	<0.00399	U	0.200	0.1443		mg/Kg		72	70 - 130	15	35
o-Xylene	<0.00200	U	0.100	0.07578		mg/Kg		76	70 - 130	9	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

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

Lab Sample ID: MB 880-127366/1-A
 Matrix: Solid
 Analysis Batch: 127400

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 127366

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		12/22/25 08:07	12/22/25 07:21	1

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QC Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
 SDG: Eddy County New Mexico

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

Lab Sample ID: MB 880-127366/1-A
Matrix: Solid
Analysis Batch: 127400

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 127366

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		12/22/25 08:07	12/22/25 07:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/22/25 08:07	12/22/25 07:21	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	98		70 - 130	12/22/25 08:07	12/22/25 07:21	1
o-Terphenyl (Surr)	98		70 - 130	12/22/25 08:07	12/22/25 07:21	1

Lab Sample ID: LCS 880-127366/2-A
Matrix: Solid
Analysis Batch: 127400

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 127366

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	833.8		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	833.2		mg/Kg		83	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	93		70 - 130
o-Terphenyl (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-127366/3-A
Matrix: Solid
Analysis Batch: 127400

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 127366

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	1000	783.2		mg/Kg		78	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	829.2		mg/Kg		83	70 - 130	0	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	94		70 - 130
o-Terphenyl (Surr)	90		70 - 130

Lab Sample ID: 880-66391-A-1-B MS
Matrix: Solid
Analysis Batch: 127400

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 127366

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	<50.3	U F1	999	582.3	F1	mg/Kg		57	70 - 130
Diesel Range Organics (Over C10-C28)	<50.3	U F1	999	555.6	F1	mg/Kg		56	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	85		70 - 130
o-Terphenyl (Surr)	81		70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
 SDG: Eddy County New Mexico

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

Lab Sample ID: 880-66391-A-1-C MSD
 Matrix: Solid
 Analysis Batch: 127400

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 127366

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.3	U F1	999	601.8	F1	mg/Kg		59	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.3	U F1	999	547.6	F1	mg/Kg		55	70 - 130	1	20
Surrogate	%Recovery	MSD Qualifier		MSD							Limits
1-Chlorooctane (Surr)	87										70 - 130
o-Terphenyl (Surr)	82										70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-127462/1-A
 Matrix: Solid
 Analysis Batch: 127533

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/22/25 23:15	1

Lab Sample ID: LCS 880-127462/2-A
 Matrix: Solid
 Analysis Batch: 127533

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.0		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-127462/3-A
 Matrix: Solid
 Analysis Batch: 127533

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	254.5		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-66422-1 MS
 Matrix: Solid
 Analysis Batch: 127533

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	14.0		250	278.8		mg/Kg		106	90 - 110

Lab Sample ID: 880-66422-1 MSD
 Matrix: Solid
 Analysis Batch: 127533

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	14.0		250	283.3		mg/Kg		108	90 - 110	2	20

QC Sample Results

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
 SDG: Eddy County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-66422-11 MS
 Matrix: Solid
 Analysis Batch: 127533

Client Sample ID: SW-8 (4')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	12.8		249	270.8		mg/Kg		104	90 - 110

Lab Sample ID: 880-66422-11 MSD
 Matrix: Solid
 Analysis Batch: 127533

Client Sample ID: SW-8 (4')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12.8		249	274.7		mg/Kg		105	90 - 110	1	20

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

QC Association Summary

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
 SDG: Eddy County New Mexico

GC VOA

Prep Batch: 127271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-127271/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 127379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66422-1	CS-1 (4')	Total/NA	Solid	8021B	127491
880-66422-2	CS-2 (4')	Total/NA	Solid	8021B	127491
880-66422-3	CS-3 (4')	Total/NA	Solid	8021B	127491
880-66422-4	SW-1 (4')	Total/NA	Solid	8021B	127491
880-66422-5	SW-2 (4')	Total/NA	Solid	8021B	127491
880-66422-6	SW-3 (4')	Total/NA	Solid	8021B	127491
880-66422-7	SW-4 (4')	Total/NA	Solid	8021B	127491
880-66422-8	SW-5 (4')	Total/NA	Solid	8021B	127491
880-66422-9	SW-6 (4')	Total/NA	Solid	8021B	127491
880-66422-10	SW-7 (4')	Total/NA	Solid	8021B	127491
880-66422-11	SW-8 (4')	Total/NA	Solid	8021B	127491
MB 880-127271/5-A	Method Blank	Total/NA	Solid	8021B	127271
MB 880-127491/5-A	Method Blank	Total/NA	Solid	8021B	127491
LCS 880-127491/1-A	Lab Control Sample	Total/NA	Solid	8021B	127491
LCSD 880-127491/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	127491
880-66422-1 MS	CS-1 (4')	Total/NA	Solid	8021B	127491
880-66422-1 MSD	CS-1 (4')	Total/NA	Solid	8021B	127491

Prep Batch: 127491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66422-1	CS-1 (4')	Total/NA	Solid	5035	
880-66422-2	CS-2 (4')	Total/NA	Solid	5035	
880-66422-3	CS-3 (4')	Total/NA	Solid	5035	
880-66422-4	SW-1 (4')	Total/NA	Solid	5035	
880-66422-5	SW-2 (4')	Total/NA	Solid	5035	
880-66422-6	SW-3 (4')	Total/NA	Solid	5035	
880-66422-7	SW-4 (4')	Total/NA	Solid	5035	
880-66422-8	SW-5 (4')	Total/NA	Solid	5035	
880-66422-9	SW-6 (4')	Total/NA	Solid	5035	
880-66422-10	SW-7 (4')	Total/NA	Solid	5035	
880-66422-11	SW-8 (4')	Total/NA	Solid	5035	
MB 880-127491/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-127491/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-127491/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-66422-1 MS	CS-1 (4')	Total/NA	Solid	5035	
880-66422-1 MSD	CS-1 (4')	Total/NA	Solid	5035	

Analysis Batch: 127604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66422-1	CS-1 (4')	Total/NA	Solid	Total BTEX	
880-66422-2	CS-2 (4')	Total/NA	Solid	Total BTEX	
880-66422-3	CS-3 (4')	Total/NA	Solid	Total BTEX	
880-66422-4	SW-1 (4')	Total/NA	Solid	Total BTEX	
880-66422-5	SW-2 (4')	Total/NA	Solid	Total BTEX	
880-66422-6	SW-3 (4')	Total/NA	Solid	Total BTEX	
880-66422-7	SW-4 (4')	Total/NA	Solid	Total BTEX	
880-66422-8	SW-5 (4')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
 SDG: Eddy County New Mexico

GC VOA (Continued)

Analysis Batch: 127604 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66422-9	SW-6 (4')	Total/NA	Solid	Total BTEX	
880-66422-10	SW-7 (4')	Total/NA	Solid	Total BTEX	
880-66422-11	SW-8 (4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 127366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66422-1	CS-1 (4')	Total/NA	Solid	8015NM Prep	
880-66422-2	CS-2 (4')	Total/NA	Solid	8015NM Prep	
880-66422-3	CS-3 (4')	Total/NA	Solid	8015NM Prep	
880-66422-4	SW-1 (4')	Total/NA	Solid	8015NM Prep	
880-66422-5	SW-2 (4')	Total/NA	Solid	8015NM Prep	
880-66422-6	SW-3 (4')	Total/NA	Solid	8015NM Prep	
880-66422-7	SW-4 (4')	Total/NA	Solid	8015NM Prep	
880-66422-8	SW-5 (4')	Total/NA	Solid	8015NM Prep	
880-66422-9	SW-6 (4')	Total/NA	Solid	8015NM Prep	
880-66422-10	SW-7 (4')	Total/NA	Solid	8015NM Prep	
880-66422-11	SW-8 (4')	Total/NA	Solid	8015NM Prep	
MB 880-127366/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-127366/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-127366/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-66391-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-66391-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 127400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66422-1	CS-1 (4')	Total/NA	Solid	8015B NM	127366
880-66422-2	CS-2 (4')	Total/NA	Solid	8015B NM	127366
880-66422-3	CS-3 (4')	Total/NA	Solid	8015B NM	127366
880-66422-4	SW-1 (4')	Total/NA	Solid	8015B NM	127366
880-66422-5	SW-2 (4')	Total/NA	Solid	8015B NM	127366
880-66422-6	SW-3 (4')	Total/NA	Solid	8015B NM	127366
880-66422-7	SW-4 (4')	Total/NA	Solid	8015B NM	127366
880-66422-8	SW-5 (4')	Total/NA	Solid	8015B NM	127366
880-66422-9	SW-6 (4')	Total/NA	Solid	8015B NM	127366
880-66422-10	SW-7 (4')	Total/NA	Solid	8015B NM	127366
880-66422-11	SW-8 (4')	Total/NA	Solid	8015B NM	127366
MB 880-127366/1-A	Method Blank	Total/NA	Solid	8015B NM	127366
LCS 880-127366/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	127366
LCSD 880-127366/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	127366
880-66391-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	127366
880-66391-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	127366

Analysis Batch: 127542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66422-1	CS-1 (4')	Total/NA	Solid	8015 NM	
880-66422-2	CS-2 (4')	Total/NA	Solid	8015 NM	
880-66422-3	CS-3 (4')	Total/NA	Solid	8015 NM	
880-66422-4	SW-1 (4')	Total/NA	Solid	8015 NM	
880-66422-5	SW-2 (4')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
 SDG: Eddy County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 127542 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66422-6	SW-3 (4')	Total/NA	Solid	8015 NM	
880-66422-7	SW-4 (4')	Total/NA	Solid	8015 NM	
880-66422-8	SW-5 (4')	Total/NA	Solid	8015 NM	
880-66422-9	SW-6 (4')	Total/NA	Solid	8015 NM	
880-66422-10	SW-7 (4')	Total/NA	Solid	8015 NM	
880-66422-11	SW-8 (4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 127462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66422-1	CS-1 (4')	Soluble	Solid	DI Leach	
880-66422-2	CS-2 (4')	Soluble	Solid	DI Leach	
880-66422-3	CS-3 (4')	Soluble	Solid	DI Leach	
880-66422-4	SW-1 (4')	Soluble	Solid	DI Leach	
880-66422-5	SW-2 (4')	Soluble	Solid	DI Leach	
880-66422-6	SW-3 (4')	Soluble	Solid	DI Leach	
880-66422-7	SW-4 (4')	Soluble	Solid	DI Leach	
880-66422-8	SW-5 (4')	Soluble	Solid	DI Leach	
880-66422-9	SW-6 (4')	Soluble	Solid	DI Leach	
880-66422-10	SW-7 (4')	Soluble	Solid	DI Leach	
880-66422-11	SW-8 (4')	Soluble	Solid	DI Leach	
MB 880-127462/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-127462/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-127462/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-66422-1 MS	CS-1 (4')	Soluble	Solid	DI Leach	
880-66422-1 MSD	CS-1 (4')	Soluble	Solid	DI Leach	
880-66422-11 MS	SW-8 (4')	Soluble	Solid	DI Leach	
880-66422-11 MSD	SW-8 (4')	Soluble	Solid	DI Leach	

Analysis Batch: 127533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66422-1	CS-1 (4')	Soluble	Solid	300.0	127462
880-66422-2	CS-2 (4')	Soluble	Solid	300.0	127462
880-66422-3	CS-3 (4')	Soluble	Solid	300.0	127462
880-66422-4	SW-1 (4')	Soluble	Solid	300.0	127462
880-66422-5	SW-2 (4')	Soluble	Solid	300.0	127462
880-66422-6	SW-3 (4')	Soluble	Solid	300.0	127462
880-66422-7	SW-4 (4')	Soluble	Solid	300.0	127462
880-66422-8	SW-5 (4')	Soluble	Solid	300.0	127462
880-66422-9	SW-6 (4')	Soluble	Solid	300.0	127462
880-66422-10	SW-7 (4')	Soluble	Solid	300.0	127462
880-66422-11	SW-8 (4')	Soluble	Solid	300.0	127462
MB 880-127462/1-A	Method Blank	Soluble	Solid	300.0	127462
LCS 880-127462/2-A	Lab Control Sample	Soluble	Solid	300.0	127462
LCSD 880-127462/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	127462
880-66422-1 MS	CS-1 (4')	Soluble	Solid	300.0	127462
880-66422-1 MSD	CS-1 (4')	Soluble	Solid	300.0	127462
880-66422-11 MS	SW-8 (4')	Soluble	Solid	300.0	127462
880-66422-11 MSD	SW-8 (4')	Soluble	Solid	300.0	127462

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Lab Chronicle

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
 SDG: Eddy County New Mexico

Client Sample ID: CS-1 (4')

Lab Sample ID: 880-66422-1

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	127491	12/22/25 14:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127379	12/22/25 22:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127604	12/22/25 22:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			127542	12/22/25 13:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127366	12/22/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127400	12/22/25 13:29	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	127462	12/22/25 12:08	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	127533	12/22/25 23:36	SMC	EET MID

Client Sample ID: CS-2 (4')

Lab Sample ID: 880-66422-2

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	127491	12/22/25 14:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127379	12/22/25 23:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127604	12/22/25 23:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			127542	12/22/25 13:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	127366	12/22/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127400	12/22/25 13:43	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	127462	12/22/25 12:08	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	127533	12/22/25 23:58	SMC	EET MID

Client Sample ID: CS-3 (4')

Lab Sample ID: 880-66422-3

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	127491	12/22/25 14:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127379	12/22/25 23:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127604	12/22/25 23:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			127542	12/22/25 13:57	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10.00 mL	127366	12/22/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127400	12/22/25 13:57	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	127462	12/22/25 12:08	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	127533	12/23/25 00:05	SMC	EET MID

Client Sample ID: SW-1 (4')

Lab Sample ID: 880-66422-4

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	127491	12/22/25 14:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127379	12/22/25 23:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127604	12/22/25 23:53	SA	EET MID

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Lab Chronicle

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
 SDG: Eddy County New Mexico

Client Sample ID: SW-1 (4')

Lab Sample ID: 880-66422-4

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			127542	12/22/25 14:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	127366	12/22/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127400	12/22/25 14:10	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	127462	12/22/25 12:08	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	127533	12/23/25 00:12	SMC	EET MID

Client Sample ID: SW-2 (4')

Lab Sample ID: 880-66422-5

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	127491	12/22/25 14:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127379	12/23/25 00:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127604	12/23/25 00:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			127542	12/22/25 14:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127366	12/22/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127400	12/22/25 14:24	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	127462	12/22/25 12:08	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	127533	12/23/25 00:19	SMC	EET MID

Client Sample ID: SW-3 (4')

Lab Sample ID: 880-66422-6

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	127491	12/22/25 14:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127379	12/23/25 00:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127604	12/23/25 00:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			127542	12/22/25 14:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	127366	12/22/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127400	12/22/25 14:52	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	127462	12/22/25 12:08	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	127533	12/23/25 00:40	SMC	EET MID

Client Sample ID: SW-4 (4')

Lab Sample ID: 880-66422-7

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	127491	12/22/25 14:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127379	12/23/25 00:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127604	12/23/25 00:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			127542	12/22/25 15:07	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	127366	12/22/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127400	12/22/25 15:07	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
 SDG: Eddy County New Mexico

Client Sample ID: SW-4 (4')

Lab Sample ID: 880-66422-7

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	127462	12/22/25 12:08	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	127533	12/23/25 00:47	SMC	EET MID

Client Sample ID: SW-5 (4')

Lab Sample ID: 880-66422-8

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	127491	12/22/25 14:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127379	12/23/25 01:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127604	12/23/25 01:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			127542	12/22/25 15:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	127366	12/22/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127400	12/22/25 15:39	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	127462	12/22/25 12:08	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	127533	12/23/25 00:54	SMC	EET MID

Client Sample ID: SW-6 (4')

Lab Sample ID: 880-66422-9

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	127491	12/22/25 14:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127379	12/23/25 01:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127604	12/23/25 01:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			127542	12/22/25 15:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	127366	12/22/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127400	12/22/25 15:53	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	127462	12/22/25 12:08	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	127533	12/23/25 01:01	SMC	EET MID

Client Sample ID: SW-7 (4')

Lab Sample ID: 880-66422-10

Date Collected: 12/22/25 00:00

Matrix: Solid

Date Received: 12/22/25 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	127491	12/22/25 14:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127379	12/23/25 01:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127604	12/23/25 01:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			127542	12/22/25 16:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	127366	12/22/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127400	12/22/25 16:06	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	127462	12/22/25 12:08	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	127533	12/23/25 01:08	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
 Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
 SDG: Eddy County New Mexico

Client Sample ID: SW-8 (4')
Date Collected: 12/22/25 00:00
Date Received: 12/22/25 11:30

Lab Sample ID: 880-66422-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	127491	12/22/25 14:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127379	12/23/25 03:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127604	12/23/25 03:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			127542	12/22/25 16:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127366	12/22/25 08:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127400	12/22/25 16:21	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	127462	12/22/25 12:08	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	127533	12/23/25 01:15	SMC	EET MID

Laboratory References:

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
SDG: Eddy County New Mexico

Laboratory: Eurofins Midland

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

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

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

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

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Method Summary

Client: Carmona Resources
Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
SDG: Eddy County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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



Sample Summary

Client: Carmona Resources
Project/Site: Buena Vista 2 State 3H

Job ID: 880-66422-1
SDG: Eddy County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-66422-1	CS-1 (4')	Solid	12/22/25 00:00	12/22/25 11:30	New Mexico
880-66422-2	CS-2 (4')	Solid	12/22/25 00:00	12/22/25 11:30	New Mexico
880-66422-3	CS-3 (4')	Solid	12/22/25 00:00	12/22/25 11:30	New Mexico
880-66422-4	SW-1 (4')	Solid	12/22/25 00:00	12/22/25 11:30	New Mexico
880-66422-5	SW-2 (4')	Solid	12/22/25 00:00	12/22/25 11:30	New Mexico
880-66422-6	SW-3 (4')	Solid	12/22/25 00:00	12/22/25 11:30	New Mexico
880-66422-7	SW-4 (4')	Solid	12/22/25 00:00	12/22/25 11:30	New Mexico
880-66422-8	SW-5 (4')	Solid	12/22/25 00:00	12/22/25 11:30	New Mexico
880-66422-9	SW-6 (4')	Solid	12/22/25 00:00	12/22/25 11:30	New Mexico
880-66422-10	SW-7 (4')	Solid	12/22/25 00:00	12/22/25 11:30	New Mexico
880-66422-11	SW-8 (4')	Solid	12/22/25 00:00	12/22/25 11:30	New Mexico

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Chain of Custody



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

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

Project Name: Buena Vista 2 State 3H
Project Number: 2808
Project Location: Eddy County, New Mexico
Sampler's Name: CMM
PO #:

Turn Around:
 Routine Rush
 Due Date: 24 HR TAT

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

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters		Pres. Code	ANALYSIS REQUEST		Preservative Codes
							TPH 8015M (GRO + DRO + MRO)	BTEX 8021B		None: NO	DI Water: H ₂ O	
CS-1 (4')	12/22/2025		X		Comp 1	1						Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SACP
CS-2 (4')	12/22/2025		X		Comp 1	1						
CS-3 (4')	12/22/2025		X		Comp 1	1						
SW-1 (4')	12/22/2025		X		Comp 1	1						
SW-2 (4')	12/22/2025		X		Comp 1	1						
SW-3 (4')	12/22/2025		X		Comp 1	1						
SW-4 (4')	12/22/2025		X		Comp 1	1						
SW-5 (4')	12/22/2025		X		Comp 1	1						
SW-6 (4')	12/22/2025		X		Comp 1	1						
SW-7 (4')	12/22/2025		X		Comp 1	1						

SAMPLE RECEIPT
 Received Intact: Yes No Thermometer ID: 120
 Cooler Custody Seals: Yes No Correction Factor: 0.1
 Sample Custody Seals: Yes No Temperature Reading: 0.4
 Total Containers: 1

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

Relinquished by: (Signature) *[Signature]* Date/Time: 12/22/25 11:00

Received by: (Signature) *[Signature]* Date/Time: 12-22-25 11:30



Chain of Custody

Work Order No: 66422

Page 2 of 2

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

Project Manager: **Conner Moehring** Carmona Resources
 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**

Project Name:		Turn Around		Pres. Code		ANALYSIS REQUEST		Preservative Codes	
Project Number:	Project Location:	Project Name:	Due Date:	Temp Blank:	Temp Blank:	Temp Blank:	Temp Blank:	Temp Blank:	Temp Blank:
PO #:	Temp Blank:	Temp Blank:	Temp Blank:	Temp Blank:	Temp Blank:	Temp Blank:	Temp Blank:	Temp Blank:	Temp Blank:
2808	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No
Eddy County, New Mexico	Thermometer ID:	Thermometer ID:	Thermometer ID:	Thermometer ID:	Thermometer ID:	Thermometer ID:	Thermometer ID:	Thermometer ID:	Thermometer ID:
CMM	Correction Factor:	Correction Factor:	Correction Factor:	Correction Factor:	Correction Factor:	Correction Factor:	Correction Factor:	Correction Factor:	Correction Factor:
	Temperature Reading:	Temperature Reading:	Temperature Reading:	Temperature Reading:	Temperature Reading:	Temperature Reading:	Temperature Reading:	Temperature Reading:	Temperature Reading:
	Corrected Temperature:	Corrected Temperature:	Corrected Temperature:	Corrected Temperature:	Corrected Temperature:	Corrected Temperature:	Corrected Temperature:	Corrected Temperature:	Corrected Temperature:
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Sample Comments	Sample Comments
SW-8 (4')	12/22/2025		X		Comp	1	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300.0		

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	12/22/25		01/15/26



Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-66422-1
SDG Number: Eddy County New Mexico

Login Number: 66422
List Number: 1
Creator: Lee, Randall

List Source: Eurofins Midland

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

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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/10/2025 5:28:03 PM

JOB DESCRIPTION

SRO 4 State Com - Flare Fire
 Eddy County, New Mexico

JOB NUMBER

880-63675-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



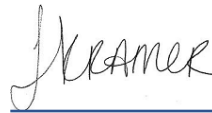
Eurofins Midland

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
10/10/2025 5:28:03 PM

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



Client: Carmona Resources
Project/Site: SRO 4 State Com - Flare Fire

Laboratory Job ID: 880-63675-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
 Project/Site: SRO 4 State Com - Flare Fire

Job ID: 880-63675-1
 SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: SRO 4 State Com - Flare Fire

Job ID: 880-63675-1

Job ID: 880-63675-1

Eurofins Midland

Job Narrative 880-63675-1

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

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

Receipt

The sample was received on 10/9/2025 5:00 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.9°C.

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-120888 and analytical batch 880-120849 was outside the upper control limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-120898 and analytical batch 880-120849 was outside the upper control limits.

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

Diesel Range Organics

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-120889 and analytical batch 880-120914 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Midland



Client Sample Results

Client: Carmona Resources
 Project/Site: SRO 4 State Com - Flare Fire

Job ID: 880-63675-1
 SDG: Eddy County, New Mexico

Client Sample ID: Backfill Sample

Lab Sample ID: 880-63675-1

Date Collected: 10/09/25 00:00

Matrix: Solid

Date Received: 10/09/25 17:00

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		10/10/25 08:33	10/10/25 16:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/10/25 08:33	10/10/25 16:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/10/25 08:33	10/10/25 16:38	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		10/10/25 08:33	10/10/25 16:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/10/25 08:33	10/10/25 16:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/10/25 08:33	10/10/25 16:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	10/10/25 08:33	10/10/25 16:38	1
1,4-Difluorobenzene (Surr)	105		70 - 130	10/10/25 08:33	10/10/25 16:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/10/25 16:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/09/25 19:56	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		10/09/25 07:48	10/09/25 19:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/25 07:48	10/09/25 19:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/25 07:48	10/09/25 19:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	70		70 - 130	10/09/25 07:48	10/09/25 19:56	1
o-Terphenyl (Surr)	86		70 - 130	10/09/25 07:48	10/09/25 19:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.7	F1	10.0		mg/Kg			10/10/25 09:10	1

Surrogate Summary

Client: Carmona Resources
Project/Site: SRO 4 State Com - Flare Fire

Job ID: 880-63675-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-63675-1	Backfill Sample	96	105
880-63676-A-21-C MS	Matrix Spike	117	103
880-63676-A-21-D MSD	Matrix Spike Duplicate	99	97
LCS 880-120898/1-A	Lab Control Sample	100	105
LCSD 880-120898/2-A	Lab Control Sample Dup	100	109
MB 880-120888/5-A	Method Blank	297 S1+	175 S1+
MB 880-120898/5-A	Method Blank	261 S1+	152 S1+

Surrogate Legend

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

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-63607-A-6-B MS	Matrix Spike	85	93
880-63607-A-6-C MSD	Matrix Spike Duplicate	84	92
880-63675-1	Backfill Sample	70	86
LCS 880-120782/2-A	Lab Control Sample	87	94
LCSD 880-120782/3-A	Lab Control Sample Dup	86	94
MB 880-120782/1-A	Method Blank	81	103

Surrogate Legend

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

QC Sample Results

Client: Carmona Resources
 Project/Site: SRO 4 State Com - Flare Fire

Job ID: 880-63675-1
 SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-120888/5-A
 Matrix: Solid
 Analysis Batch: 120849

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 120888

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		10/09/25 20:49	10/09/25 23:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/09/25 20:49	10/09/25 23:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/09/25 20:49	10/09/25 23:32	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		10/09/25 20:49	10/09/25 23:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/09/25 20:49	10/09/25 23:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/09/25 20:49	10/09/25 23:32	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	297	S1+	70 - 130				10/09/25 20:49	10/09/25 23:32	1
1,4-Difluorobenzene (Surr)	175	S1+	70 - 130				10/09/25 20:49	10/09/25 23:32	1

Lab Sample ID: MB 880-120898/5-A
 Matrix: Solid
 Analysis Batch: 120849

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 120898

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		10/10/25 08:33	10/10/25 11:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/10/25 08:33	10/10/25 11:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/10/25 08:33	10/10/25 11:09	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		10/10/25 08:33	10/10/25 11:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/10/25 08:33	10/10/25 11:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/10/25 08:33	10/10/25 11:09	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	261	S1+	70 - 130				10/10/25 08:33	10/10/25 11:09	1
1,4-Difluorobenzene (Surr)	152	S1+	70 - 130				10/10/25 08:33	10/10/25 11:09	1

Lab Sample ID: LCS 880-120898/1-A
 Matrix: Solid
 Analysis Batch: 120849

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 120898

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	0.100	0.1042		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1028		mg/Kg		103	70 - 130
m,p-Xylenes	0.200	0.2149		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1021		mg/Kg		102	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	100		70 - 130				
1,4-Difluorobenzene (Surr)	105		70 - 130				

Lab Sample ID: LCSD 880-120898/2-A
 Matrix: Solid
 Analysis Batch: 120849

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 120898

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Benzene	0.100	0.1134		mg/Kg		113	70 - 130	4	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: SRO 4 State Com - Flare Fire

Job ID: 880-63675-1
 SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-120898/2-A
 Matrix: Solid
 Analysis Batch: 120849

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 120898

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1041		mg/Kg		104	70 - 130	0	35
Ethylbenzene	0.100	0.1025		mg/Kg		102	70 - 130	0	35
m,p-Xylenes	0.200	0.2134		mg/Kg		107	70 - 130	1	35
o-Xylene	0.100	0.1008		mg/Kg		101	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-63676-A-21-C MS
 Matrix: Solid
 Analysis Batch: 120849

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 120898

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1047		mg/Kg		105	70 - 130
Toluene	<0.00200	U	0.100	0.09239		mg/Kg		92	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1033		mg/Kg		103	70 - 130
m,p-Xylenes	<0.00400	U	0.200	0.2317		mg/Kg		116	70 - 130
o-Xylene	<0.00200	U	0.100	0.1105		mg/Kg		111	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-63676-A-21-D MSD
 Matrix: Solid
 Analysis Batch: 120849

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 120898

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	0.09623		mg/Kg		96	70 - 130	8	35
Toluene	<0.00200	U	0.100	0.08783		mg/Kg		88	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.100	0.08261		mg/Kg		83	70 - 130	22	35
m,p-Xylenes	<0.00400	U	0.200	0.1853		mg/Kg		93	70 - 130	22	35
o-Xylene	<0.00200	U	0.100	0.08391		mg/Kg		84	70 - 130	27	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-120782/1-A
 Matrix: Solid
 Analysis Batch: 120852

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 120782

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		10/09/25 07:48	10/09/25 13:08	1

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QC Sample Results

Client: Carmona Resources
 Project/Site: SRO 4 State Com - Flare Fire

Job ID: 880-63675-1
 SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-120782/1-A
Matrix: Solid
Analysis Batch: 120852

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120782

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		10/09/25 07:48	10/09/25 13:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/09/25 07:48	10/09/25 13:08	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	81		70 - 130	10/09/25 07:48	10/09/25 13:08	1
o-Terphenyl (Surr)	103		70 - 130	10/09/25 07:48	10/09/25 13:08	1

Lab Sample ID: LCS 880-120782/2-A
Matrix: Solid
Analysis Batch: 120852

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120782

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	845.7		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	1000	929.7		mg/Kg		93	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	87		70 - 130
o-Terphenyl (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-120782/3-A
Matrix: Solid
Analysis Batch: 120852

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120782

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	834.7		mg/Kg		83	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	913.3		mg/Kg		91	70 - 130	2	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	86		70 - 130
o-Terphenyl (Surr)	94		70 - 130

Lab Sample ID: 880-63607-A-6-B MS
Matrix: Solid
Analysis Batch: 120852

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 120782

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	757.3		mg/Kg		76	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	998	872.4		mg/Kg		87	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	85		70 - 130
o-Terphenyl (Surr)	93		70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: SRO 4 State Com - Flare Fire

Job ID: 880-63675-1
 SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-63607-A-6-C MSD
 Matrix: Solid
 Analysis Batch: 120852

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 120782

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	747.8		mg/Kg		75	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	836.8		mg/Kg		84	70 - 130	4	20
Surrogate	%Recovery	MSD Qualifier	MSD	Limits							
1-Chlorooctane (Surr)	84			70 - 130							
o-Terphenyl (Surr)	92			70 - 130							

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-120889/1-A
 Matrix: Solid
 Analysis Batch: 120914

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			10/10/25 08:52	1

Lab Sample ID: LCS 880-120889/2-A
 Matrix: Solid
 Analysis Batch: 120914

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

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

Lab Sample ID: LCSD 880-120889/3-A
 Matrix: Solid
 Analysis Batch: 120914

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	251.6		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-63675-1 MS
 Matrix: Solid
 Analysis Batch: 120914

Client Sample ID: Backfill Sample
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	91.7	F1	251	385.0	F1	mg/Kg		117	90 - 110

Lab Sample ID: 880-63675-1 MSD
 Matrix: Solid
 Analysis Batch: 120914

Client Sample ID: Backfill Sample
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	91.7	F1	251	384.1	F1	mg/Kg		116	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
 Project/Site: SRO 4 State Com - Flare Fire

Job ID: 880-63675-1
 SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 120849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63675-1	Backfill Sample	Total/NA	Solid	8021B	120898
MB 880-120888/5-A	Method Blank	Total/NA	Solid	8021B	120888
MB 880-120898/5-A	Method Blank	Total/NA	Solid	8021B	120898
LCS 880-120898/1-A	Lab Control Sample	Total/NA	Solid	8021B	120898
LCSD 880-120898/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	120898
880-63676-A-21-C MS	Matrix Spike	Total/NA	Solid	8021B	120898
880-63676-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	120898

Prep Batch: 120888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-120888/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 120898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63675-1	Backfill Sample	Total/NA	Solid	5035	
MB 880-120898/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-120898/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-120898/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-63676-A-21-C MS	Matrix Spike	Total/NA	Solid	5035	
880-63676-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 121014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63675-1	Backfill Sample	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 120782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63675-1	Backfill Sample	Total/NA	Solid	8015NM Prep	
MB 880-120782/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-120782/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-120782/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-63607-A-6-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-63607-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 120852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63675-1	Backfill Sample	Total/NA	Solid	8015B NM	120782
MB 880-120782/1-A	Method Blank	Total/NA	Solid	8015B NM	120782
LCS 880-120782/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	120782
LCSD 880-120782/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	120782
880-63607-A-6-B MS	Matrix Spike	Total/NA	Solid	8015B NM	120782
880-63607-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	120782

Analysis Batch: 120951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63675-1	Backfill Sample	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
 Project/Site: SRO 4 State Com - Flare Fire

Job ID: 880-63675-1
 SDG: Eddy County, New Mexico

HPLC/IC

Leach Batch: 120889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63675-1	Backfill Sample	Soluble	Solid	DI Leach	
MB 880-120889/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-120889/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-120889/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-63675-1 MS	Backfill Sample	Soluble	Solid	DI Leach	
880-63675-1 MSD	Backfill Sample	Soluble	Solid	DI Leach	

Analysis Batch: 120914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63675-1	Backfill Sample	Soluble	Solid	300.0	120889
MB 880-120889/1-A	Method Blank	Soluble	Solid	300.0	120889
LCS 880-120889/2-A	Lab Control Sample	Soluble	Solid	300.0	120889
LCSD 880-120889/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	120889
880-63675-1 MS	Backfill Sample	Soluble	Solid	300.0	120889
880-63675-1 MSD	Backfill Sample	Soluble	Solid	300.0	120889

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

Lab Chronicle

Client: Carmona Resources
 Project/Site: SRO 4 State Com - Flare Fire

Job ID: 880-63675-1
 SDG: Eddy County, New Mexico

Client Sample ID: Backfill Sample

Lab Sample ID: 880-63675-1

Date Collected: 10/09/25 00:00

Matrix: Solid

Date Received: 10/09/25 17:00

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	120898	10/10/25 08:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120849	10/10/25 16:38	EL	EET MID
Total/NA	Analysis	Total BTEX		1			121014	10/10/25 16:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			120951	10/09/25 19:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	120782	10/09/25 07:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120852	10/09/25 19:56	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	120889	10/10/25 07:50	SA	EET MID
Soluble	Analysis	300.0		1			120914	10/10/25 09:10	CS	EET MID

Laboratory References:

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: SRO 4 State Com - Flare Fire

Job ID: 880-63675-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date												
Texas	NELAP	T104704400	06-30-26												
<p>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.</p> <table border="1"> <thead> <tr> <th>Analysis Method</th> <th>Prep Method</th> <th>Matrix</th> <th>Analyte</th> </tr> </thead> <tbody> <tr> <td>8015 NM</td> <td></td> <td>Solid</td> <td>Total TPH</td> </tr> <tr> <td>Total BTEX</td> <td></td> <td>Solid</td> <td>Total BTEX</td> </tr> </tbody> </table>				Analysis Method	Prep Method	Matrix	Analyte	8015 NM		Solid	Total TPH	Total BTEX		Solid	Total BTEX
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: SRO 4 State Com - Flare Fire

Job ID: 880-63675-1
SDG: Eddy County, New Mexico

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

Protocol References:

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

Laboratory References:

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



Sample Summary

Client: Carmona Resources
Project/Site: SRO 4 State Com - Flare Fire

Job ID: 880-63675-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-63675-1	Backfill Sample	Solid	10/09/25 00:00	10/09/25 17:00	New Mexico

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-63675-1
SDG Number: Eddy County, New Mexico

Login Number: 63675
List Number: 1
Creator: Lee, Randall

List Source: Eurofins Midland

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

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

QUESTIONS

Action 569561

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 569561
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2519247303
Incident Name	NAPP2519247303 BUENA VISTA 2 STATE COM 3H @ 30-015-39245
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-39245] BUENA VISTA 2 STATE COM #003H

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	BUENA VISTA 2 STATE COM 3H
Date Release Discovered	07/11/2025
Surface Owner	Private

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Lightning Tank (Any) Crude Oil Released: 10 BBL Recovered: 9 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Lightning Tank (Any) Produced Water Released: 120 BBL Recovered: 118 BBL Lost: 2 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 569561

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 569561
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jacqui Harris Title: Sr Environment Engineer Email: jacqui.harris@conocophillips.com Date: 03/31/2026
--	--

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QUESTIONS, Page 3

Action 569561

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 569561
	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)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between ½ and 1 (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)	6160
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	855
GRO+DRO (EPA SW-846 Method 8015M)	617
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	12/17/2025
On what date will (or did) the final sampling or liner inspection occur	01/05/2026
On what date will (or was) the remediation complete(d)	01/06/2026
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	5200
What is the estimated volume (in cubic yards) that will be remediated	90

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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QUESTIONS, Page 4

Action 569561

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 569561
	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	FEEM0112342028 LEA LAND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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: Jacqui Harris Title: Sr Environment Engineer Email: jacqui.harris@conocophillips.com Date: 03/31/2026
--	--

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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QUESTIONS, Page 5

Action 569561

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 569561
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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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QUESTIONS, Page 6

Action 569561

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 569561
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	536092
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/22/2025
What was the (estimated) number of samples that were to be gathered	11
What was the sampling surface area in square feet	470

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	5200
What was the total volume (cubic yards) remediated	90
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)	During the release, the spill occurred inside the lined containment and then traveled outside onto the pad. The pad was excavated to the proper depths, and confirmation sampling occurred. The impacted pea gravel was removed inside the lined containment and cleaned. Then, a liner inspection was conducted and found the liner to be intact.

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: Jacqui Harris Title: Sr Environment Engineer Email: jacqui.harris@conocophillips.com Date: 03/31/2026
--	--

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QUESTIONS, Page 7

Action 569561

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 569561
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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 569561

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 569561
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Remediation closure approved. The OCD notes that this closure report was not received by the OCD until 04/06/2026, which is 86 days after the documented deadline. This will be noted for record.	4/14/2026
michael.buchanan	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	4/14/2026
michael.buchanan	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	4/14/2026
michael.buchanan	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	4/14/2026
michael.buchanan	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	4/14/2026
michael.buchanan	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	4/14/2026