



**SITE INFORMATION**

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**Closure Report  
Red Hills Unit 81H  
Incident ID: NAPP2511728701  
Lea County, New Mexico  
Unit A, Sec 33, T25S, R33E  
32.093879°, -103.572212°**

**Crude Oil/Oil-Based Mud Release  
Point of Release: End-dump trailer failed  
Release Date: 04.26.2025  
Volume Released: 13 Barrels of Crude Oil/Oil-Based Mud  
Volume Recovered: 13 Barrels of Crude Oil/Oil-Based Mud**

**CARMONA RESOURCES**



**Prepared for:  
Cimarex Energy Co.  
6001 Deauville Blvd.  
Suite 300N  
Midland, Texas 79706**

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

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

## TABLE OF CONTENTS

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### 1.0 SITE INFORMATION AND BACKGROUND

### 2.0 SITE CHARACTERIZATION AND GROUNDWATER

### 3.0 NMAC REGULATORY CRITERIA

### 4.0 SITE ASSESSMENT ACTIVITIES

### 5.0 COMPOSITE CONFIRMATION SAMPLING ACTIVITIES

### 6.0 CONCLUSIONS & VARIANCE

#### FIGURES

FIGURE 1 OVERVIEW

FIGURE 2 TOPOGRAPHIC

FIGURE 3 SAMPLE LOCATION

FIGURE 4 EXCAVATION DEPTH

#### APPENDICES

APPENDIX A TABLES

APPENDIX B PHOTOS

APPENDIX C NMOCD CORRESPONDENCE

APPENDIX D SITE CHARACTERIZATION AND GROUNDWATER

APPENDIX E LABORATORY REPORTS



January 7, 2026

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

**Re: Closure Report**  
**Red Hills Unit 81H**  
**Incident ID: NAPP2511728701**  
**Cimarex Energy Co. of Colorado**  
**Site Location: Unit A, S33, T25S, R33E**  
**(Lat 32.093879°, Long -103.572212°)**  
**Lea County, New Mexico**

To whom it may concern:

On behalf of Cimarex Energy Co. of Colorado (Cimarex), Carmona Resources, LLC has prepared this letter to document site assessment and remediation activities for the Red Hills Unit 81H release. The site is located at 32.093879°, -103.572212° within Unit A, S33, T25S, R33E, in Lea County, New Mexico (Figures 1 and 2).

### **1.0 Site Information and Background**

Based on the Notification of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on April 26, 2025, due to the failure of an end dump trailer filled with oil-based drill cuttings, which spilled onto a roadway and on pad. It resulted in approximately thirteen point three six (13.36) barrels of oil-based mud being released, with approximately thirteen (13) barrels of oil-based mud recovered. The spill boundaries are shown in Figure 3. The Notification of Release and Initial C-141 form are attached in Appendix C.

### **2.0 Site Characterization and Groundwater**

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a 0.50-mile radius of the location. The nearest Groundwater Determination Bore (GWDB) is approximately 0.47 miles Southeast of the site within S34, T25S, R33E, (32.089035, -103.566486) and was drilled in 2023. The well was drilled to 106 feet below the ground surface (ft bgs) and did not have any evidence of groundwater being present. A copy of the associated well log is attached in Appendix D.

### **3.0 NMAC Regulatory Criteria**

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

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



## **4.0 Site Assessment Activities**

### **Initial Assessment**

On April 3, 2025, Carmona Resources personnel performed site assessment activities to evaluate soil impacts stemming from the release. Before collecting samples, the NMOCD division office was notified via NMOCD portal on May 30, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of two (2) sample points (S-1 and S-2) and four (4) horizontal samples (H-1 through H-4) were installed to total depths ranging from surface to 3.0 ft bgs inside and surrounding the release area. 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 Labs 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.

### **Vertical Delineation**

Vertical delineation was achieved in the areas of S-1 and S-2. Refer to Table 1.

### **Horizontal Delineation**

Horizontal delineation was achieved in the areas of H-1 through H-4. Refer to Table 1.

## **5.0 Composite Confirmation Sampling Activities**

On December 23, 2025, Carmona Resources personnel were onsite to collect composite confirmation soil samples. Prior to Carmona Resources completing sampling activities, a third-party contractor conducted a surface scrape to a depth of approximately 0.25 feet (3 inches) below ground surface (bgs) to remove impacted soils within the area of concern. The entire access road was scraped 0.25 feet, resulting in the removal of approximately 21 cubic yards of material. No formal excavation took place onsite as this was/is an active access road and due to no signs of contamination being present following the surface scrape.

In accordance with Subsection D of 19.15.29.12 NMAC, the New Mexico Oil Conservation Division (NMOCD) district office was notified via the NMOCD portal on December 18, 2025, prior to the collection of confirmation samples. Documentation of this notification is included in Appendix C. The area of concern was remediated to a depth of approximately 0.25 feet bgs. A total of ten (10) confirmation floor samples (CS-1 through CS-10) were collected at approximately 200 square feet to verify the removal of impacted soils.

Confirmation soil samples were collected using appropriate sampling techniques and placed into laboratory-supplied containers. Samples were stored on ice and transported under proper chain-of-custody procedures to Eurofins Laboratories in Midland, Texas for chemical analysis. All samples were analyzed for total petroleum hydrocarbons (TPH) by EPA Method 8015 Modified, benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chlorides by EPA Method 300. Copies of laboratory analytical reports and chain-of-custody documentation are provided in Appendix E.

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

Following completion of confirmation sampling activities, the scraped areas were backfilled with clean material and restored to surrounding surface grade. Approximately 1,800 square feet of impacted area was remediated, resulting in the removal of an estimated 21 cubic yards of soil, which was transported offsite for proper disposal at an approved facility.



### **6.0 Conclusion & Variance**

Due to the excavation being less than six (6) inches in depth, horizontal delineation samples were collected in place of composite confirmation sidewall samples. Additionally, due to the shallow nature of the surface scrape, a variance to NMAC 19.15.29.12.D.2 is requested in relation to backfilling the excavated (scraped) area. Excess material from the well pad was pushed up to add additional caliche to the access road. Sample point "H-2" represents the material that was used to backfill the scraped area. Refer to Figure 3 and Table 1 for the sample location and analytical results.

Based on the assessment and analytical data from the remediation, no further actions are required at the site. Cimarex formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-8988.

Sincerely,

**Carmona Resources, LLC**

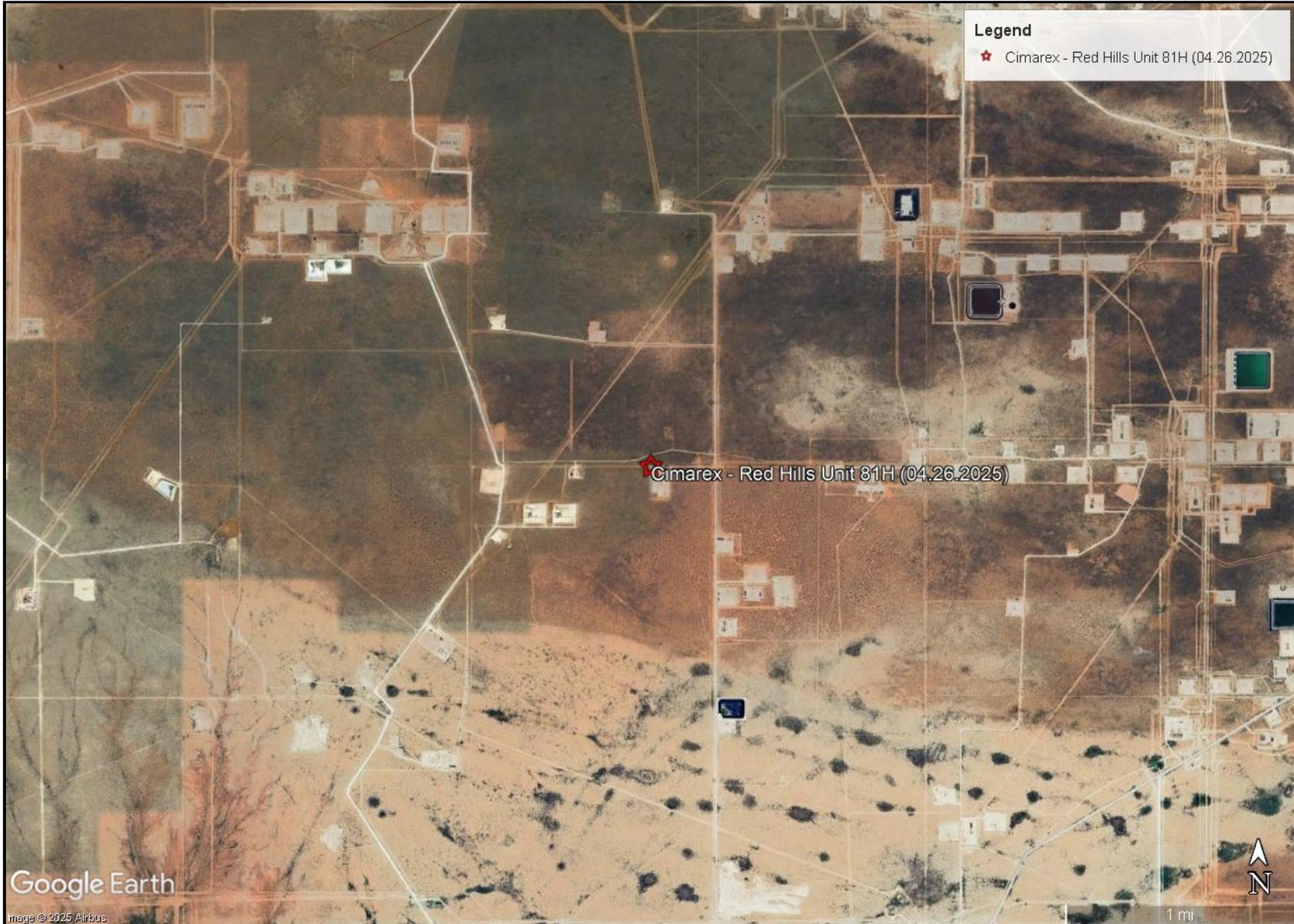
Ashton Thielke  
Environmental Manager

Riley Plogger  
Project Manager

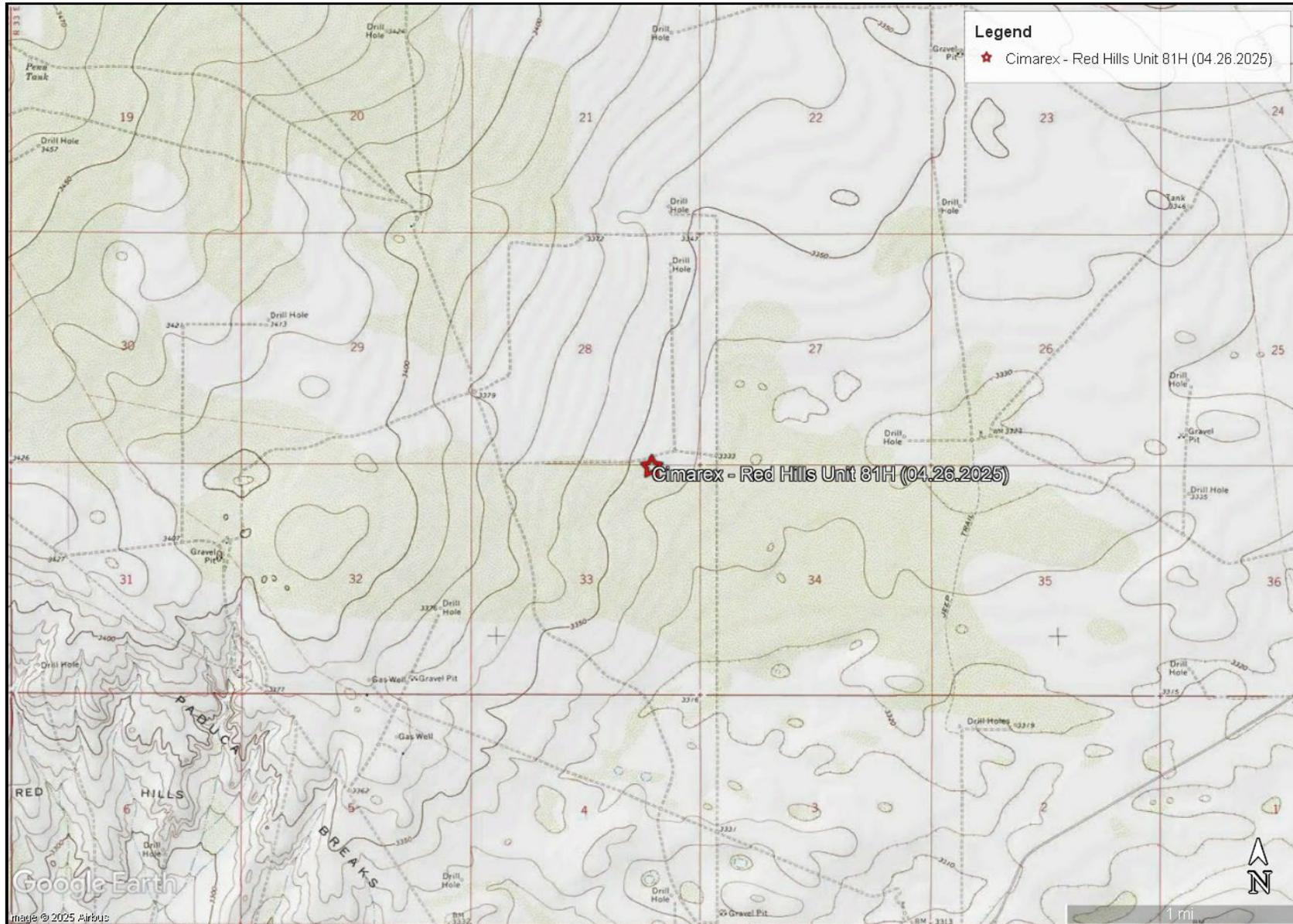
# FIGURES

CARMONA RESOURCES





<p>OVERVIEW MAP CIMAREX ENERGY CO. RED HILLS UNIT 81H LEA COUNTY, NEW MEXICO 32.093879°, -103.572212°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 1</p>
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TOPOGRAPHIC MAP  
CIMAREX ENERGY CO.  
RED HILLS UNIT 81H  
LEA COUNTY, NEW MEXICO  
32.093879°, -103.572212°

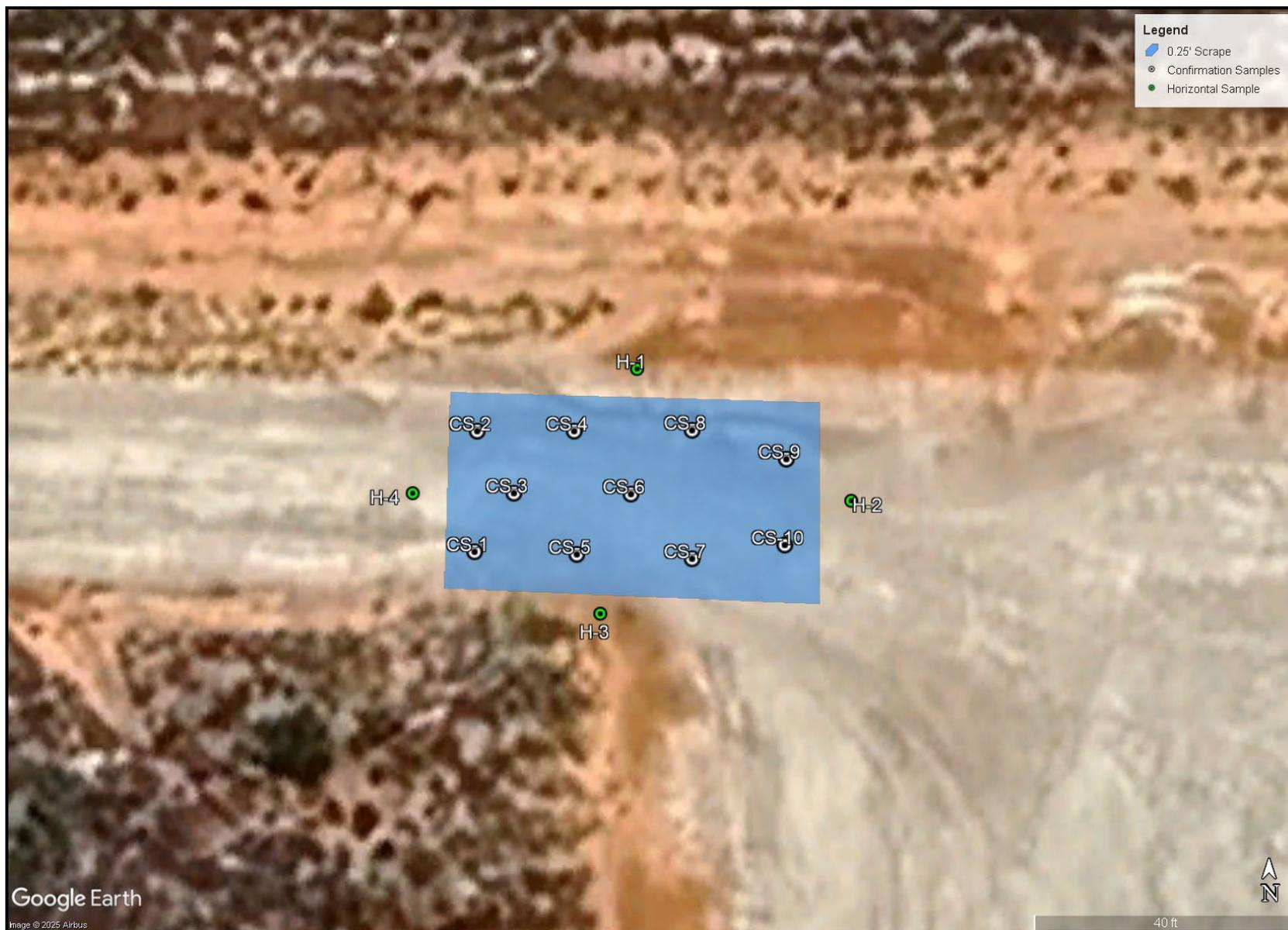
CARMONA RESOURCES



FIGURE 2



<p>SAMPLE LOCATION MAP CIMAREX ENERGY CO. RED HILLS UNIT 81H LEA COUNTY, NEW MEXICO 32.093879°, -103.572212°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 3</p>
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<p>EXCAVATION DEPTH MAP CIMAREX ENERGY CO. RED HILLS UNIT 81H LEA COUNTY, NEW MEXICO 32.093879°, -103.572212°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 4</p>
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## APPENDIX A

CARMONA RESOURCES



**Table 1**  
**Cimarex Energy Co.**  
**Red Hills Unit 81H (04.26.2025)**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
<b>S-1</b>	6/3/2025	0-1.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	127
	"	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	96.5
	"	2.0'	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	92.6
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	99.5
<b>S-2</b>	6/3/2025	0-1.0'	<50.1	128	<50.1	128	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	242
	"	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	218
	"	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	149
<b>H-1</b>	5/22/2025	0-0.5'	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	86.9
<b>H-2</b>	5/22/2025	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	90.7
<b>H-3</b>	5/22/2025	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	112
<b>H-4</b>	5/22/2025	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	128
<b>Regulatory Criteria<sup>A</sup></b>			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

<sup>A</sup> – Table 1 - 19.15.29 NMAC  
mg/kg - milligram per kilogram  
TPH - Total Petroleum Hydrocarbons  
ft - feet  
S - Soil Sample  
H - Horizontal Sample

**Table 2**  
**Cimarex Energy Co.**  
**Red Hills Unit 81H (04.26.2025)**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
<b>CS-1</b>	12/23/2025	0-0.25'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	23.7
<b>CS-2</b>	12/23/2025	0-0.25'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	53.7
<b>CS-3</b>	12/23/2025	0-0.25'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	41.9
<b>CS-4</b>	12/23/2025	0-0.25'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	33.4
<b>CS-5</b>	12/23/2025	0-0.25'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	24.9
<b>CS-6</b>	12/23/2025	0-0.25'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	38.5
<b>CS-7</b>	12/23/2025	0-0.25'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	40.8
<b>CS-8</b>	12/23/2025	0-0.25'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	44.3
<b>CS-9</b>	12/23/2025	0-0.25'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	47.0
<b>CS-10</b>	12/23/2025	0-0.25'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	60.7
<b>Regulatory Criteria<sup>A</sup></b>			<b>1,000 mg/kg</b>			<b>2,500 mg/kg</b>	<b>10 mg/kg</b>				<b>50 mg/kg</b>	<b>20,000 mg/kg</b>

<sup>A</sup> – Table 1 - 19.15.29 NMAC  
 mg/kg - milligram per kilogram  
 TPH - Total Petroleum Hydrocarbons  
 ft - feet  
 CS - Confirmation Sample

## APPENDIX B

CARMONA RESOURCES



# PHOTOGRAPHIC LOG

Cimarex Energy Co.

## Photograph No. 1

**Facility:** Red Hills Unit 81H (04.26.2025)

**County:** Lea County, New Mexico

**Description:**  
View East, area of S-1 and S-2.



## Photograph No. 2

**Facility:** Red Hills Unit 81H (04.26.2025)

**County:** Lea County, New Mexico

**Description:**  
View Northeast, area of S-1 and S-2.

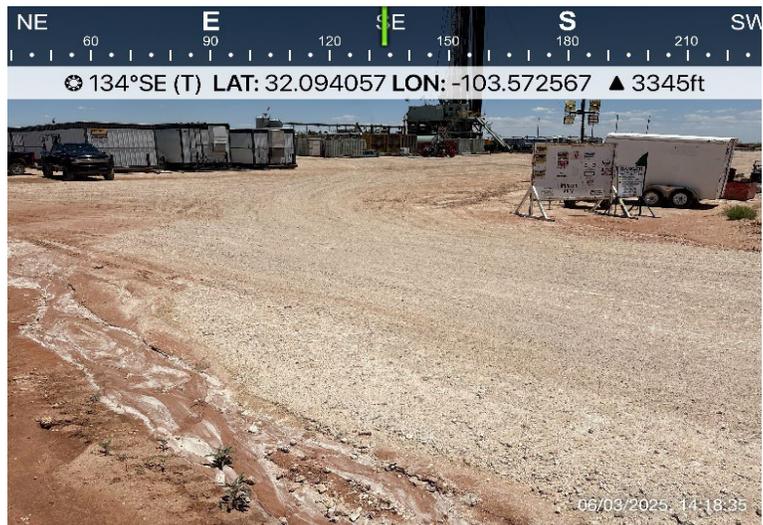


## Photograph No. 3

**Facility:** Red Hills Unit 81H (04.26.2025)

**County:** Lea County, New Mexico

**Description:**  
View Southeast, area of S-2.



# PHOTOGRAPHIC LOG

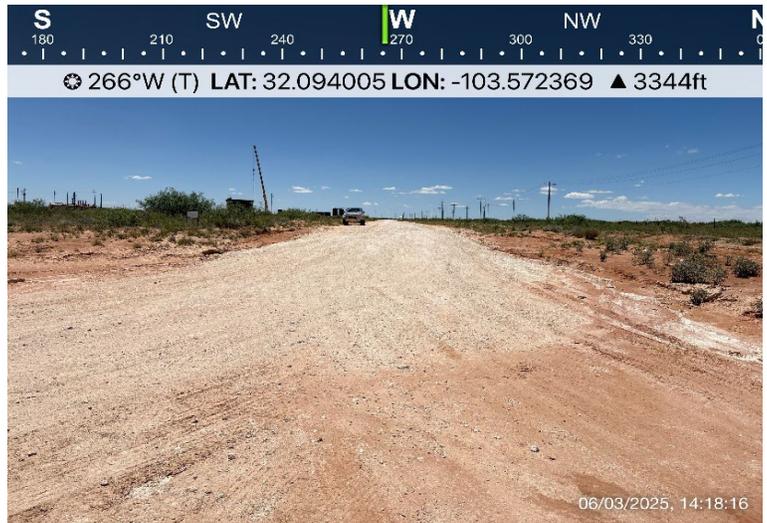
Cimarex Energy Co.

## Photograph No. 4

**Facility:** Red Hills Unit 81H (04.26.2025)

**County:** Lea County, New Mexico

**Description:**  
View West, area of S-1 and S-2.

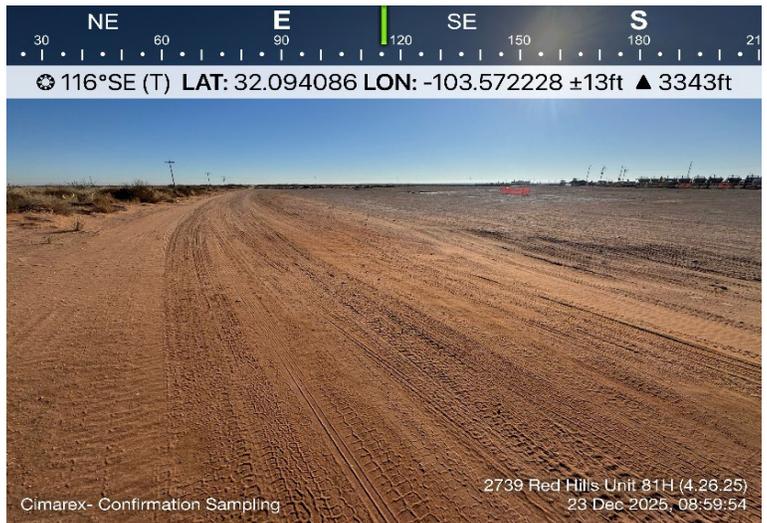


## Photograph No. 5

**Facility:** Red Hills Unit 81H (04.26.2025)

**County:** Lea County, New Mexico

**Description:**  
View Southeast, Scraped area of CS-1 through CS-10.

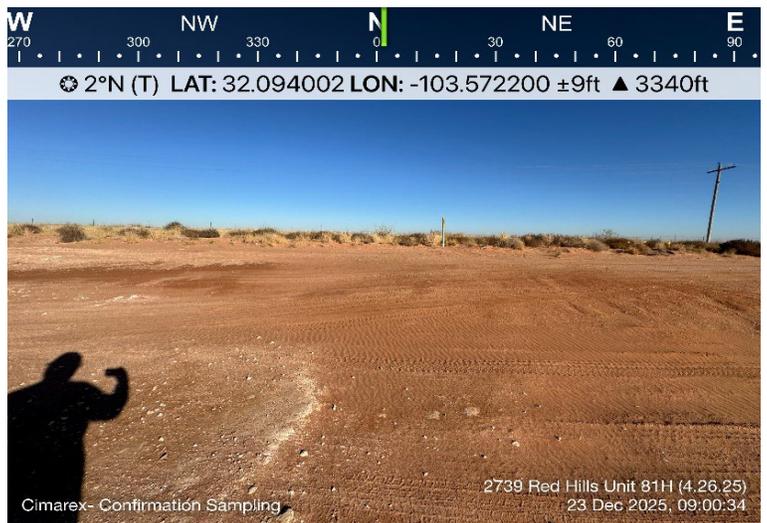


## Photograph No. 6

**Facility:** Red Hills Unit 81H (04.26.2025)

**County:** Lea County, New Mexico

**Description:**  
View North, Scraped area of CS-1 through CS-10.



# PHOTOGRAPHIC LOG

Cimarex Energy Co.

**Photograph No. 7**

**Facility:** Red Hills Unit 81H (04.26.2025)

**County:** Lea County, New Mexico

**Description:**  
View North, Scraped area of CS-1 through CS-10.



## APPENDIX C

CARMONA RESOURCES



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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 455944

**QUESTIONS**

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 455944
	Action Type: [NOTIFY] Notification Of Release (NOR)

**QUESTIONS**

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	RED HILLS UNIT 81H
Date Release Discovered	04/26/2025
Surface Owner	Federal

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	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

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Other   Transport   Crude Oil   Released: 13 BBL   Recovered: 13 BBL   Lost: 0 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	We had a reportable release at the Red Hills Unit 81H due to a release from an end dump trailer that was transferring oil-based mud cuttings to disposal. An incident investigation is currently underway to determine the cause of the release from the trailer. This incident resulted in an estimated release of 13.36 barrels oil-based mud onto the lease road and well pad. An emergency one call was placed, the cuttings were promptly removed, with a total of 21 yards of material transported to disposal. We will assess the impacted area for further remediation in the coming weeks. Released: 2.78 cubic yards oil based mud (13.36 barrels) Recovered: 21 cubic yards

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**

QUESTIONS, Page 2

Action 455944

**QUESTIONS (continued)**

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 455944
	Action Type: [NOTIFY] Notification Of Release (NOR)

**QUESTIONS**

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

**Initial Response**

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

The source of the release has been stopped	<b>True</b>
The impacted area has been secured to protect human health and the environment	<b>True</b>
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	<b>True</b>
All free liquids and recoverable materials have been removed and managed appropriately	<b>True</b>
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 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

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

ACKNOWLEDGMENTS

Action 455944

**ACKNOWLEDGMENTS**

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 455944
	Action Type: [NOTIFY] Notification Of Release (NOR)

**ACKNOWLEDGMENTS**

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

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

CONDITIONS

Action 455944

**CONDITIONS**

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 455944
	Action Type: [NOTIFY] Notification Of Release (NOR)

**CONDITIONS**

Created By	Condition	Condition Date
lluig	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	4/27/2025



CIMAREX ENERGY  
RED HILLS UNIT 81H  
LEA, NM

10:20



< SVC-Pro

Standing Liquid Calculation

Red Hills 81H OBM Cuttings			
L(Ft)	W(Ft)	D(In)	Oil %
30	60	.5	100



H2O Spill Total: 0.00 Bbls

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Oil Spill Total: 13.36 Bbls

---

Total Spilled: 13.36 Bbls

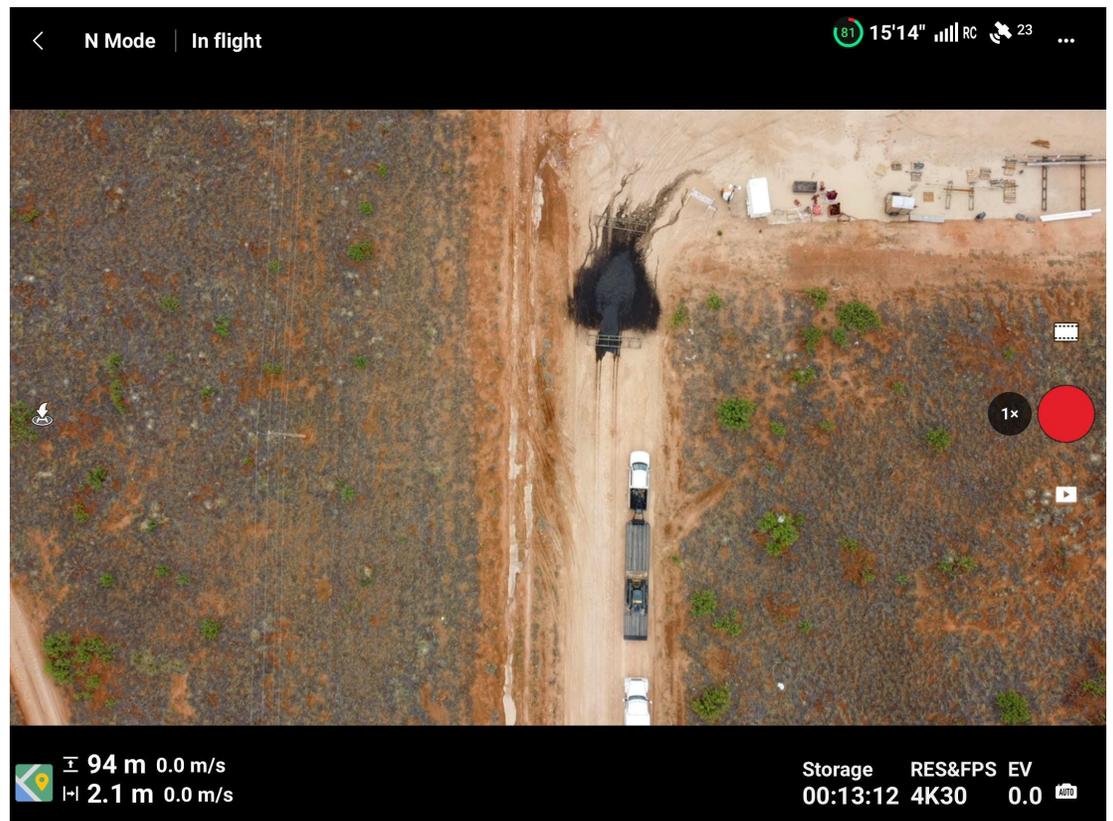
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Total Spilled: 561.00 Gals

**Screenshot for future reference!**

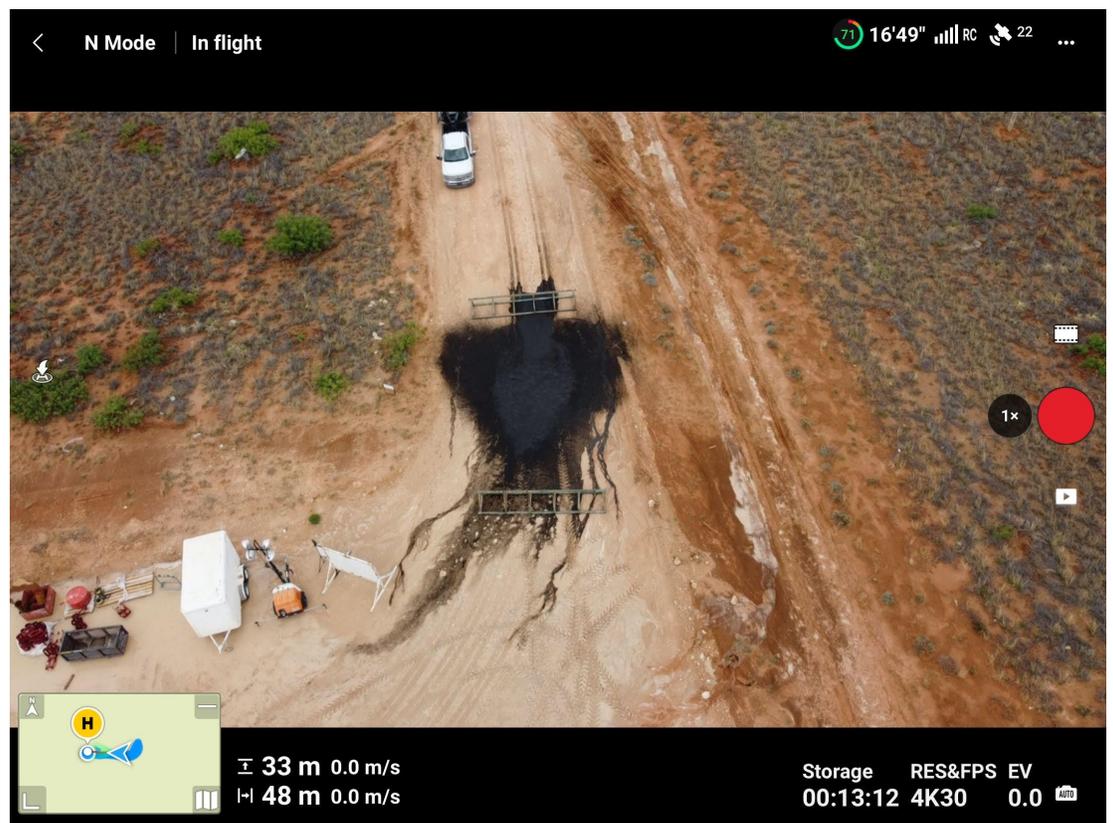
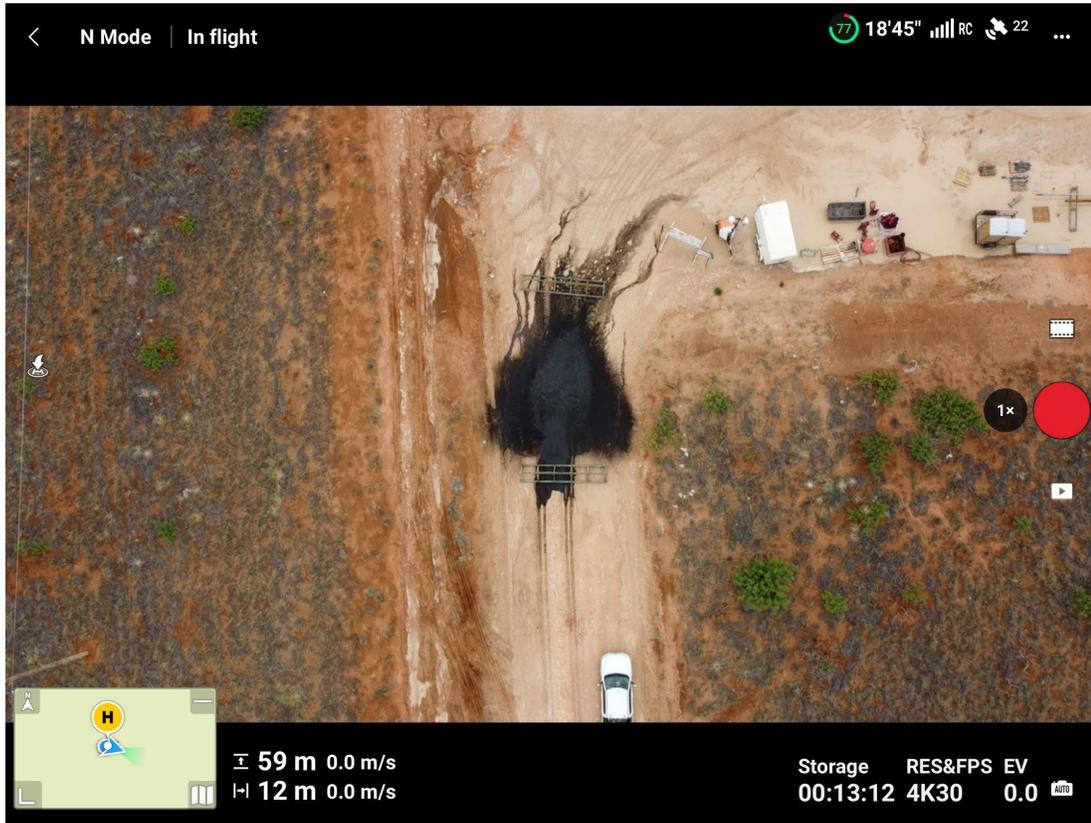


CIMAREX ENERGY  
RED HILLS UNIT 81H  
LEA, NM



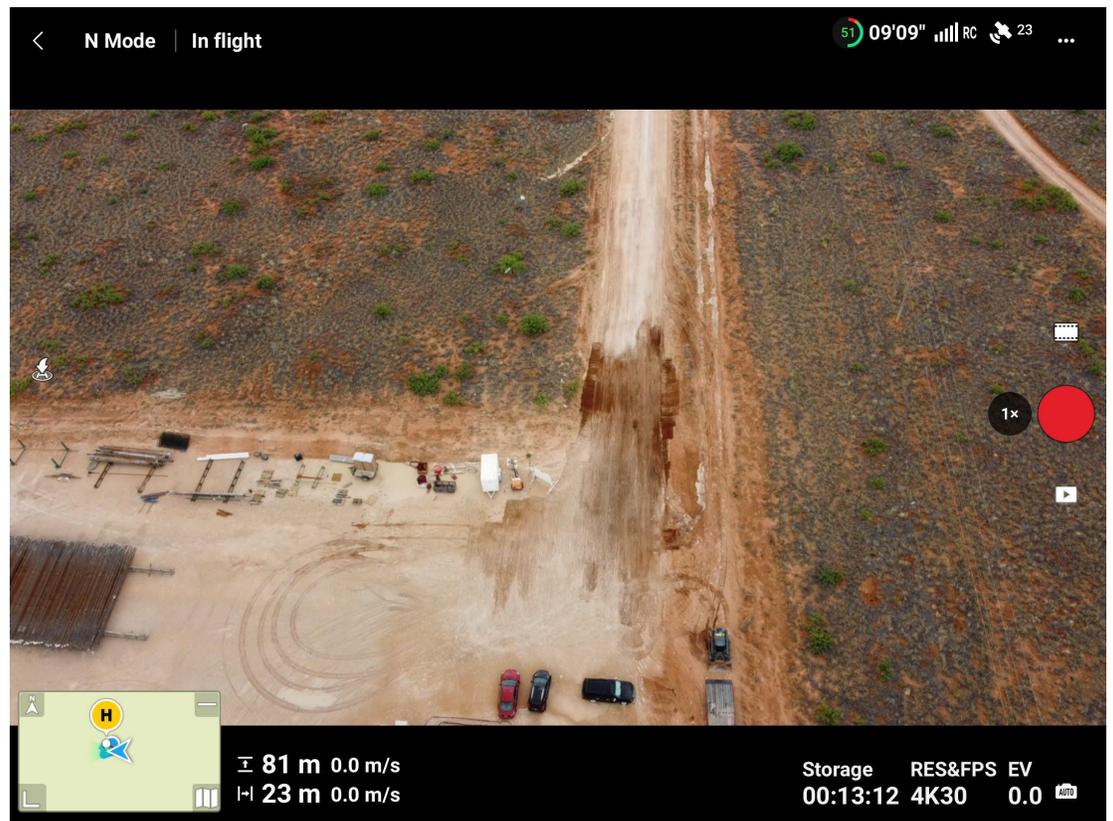
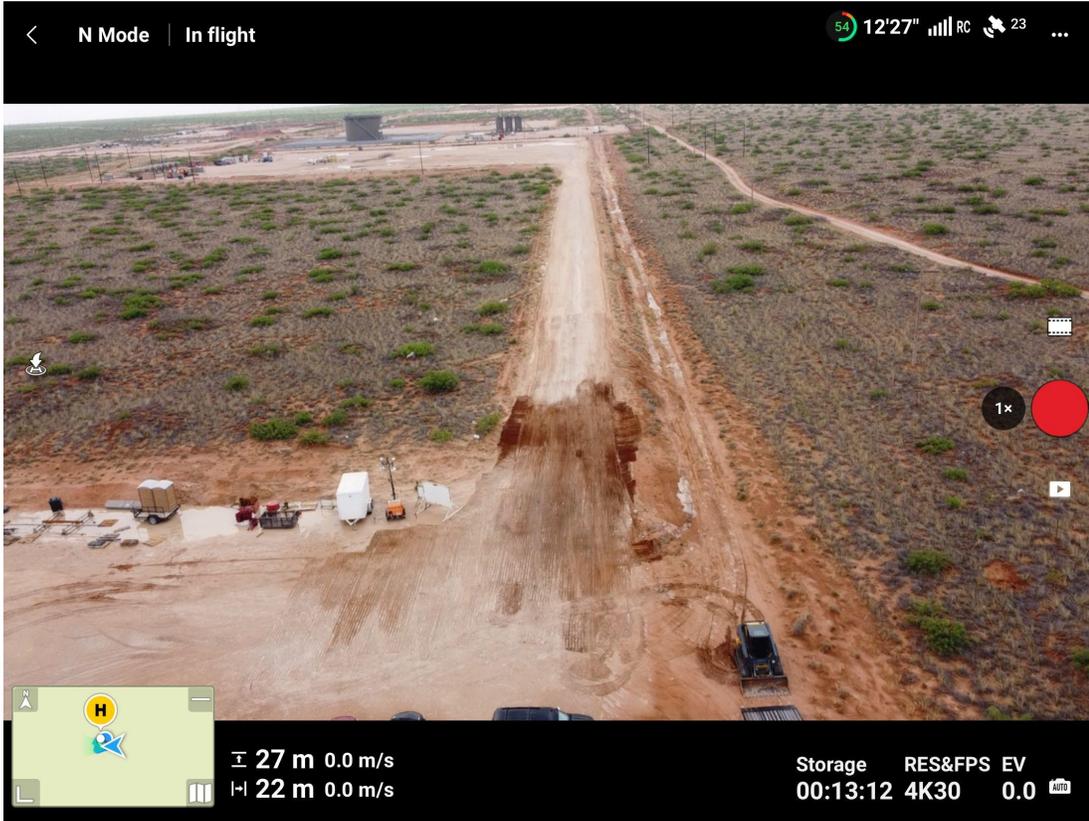


# CIMAREX ENERGY RED HILLS UNIT 81H LEA, NM



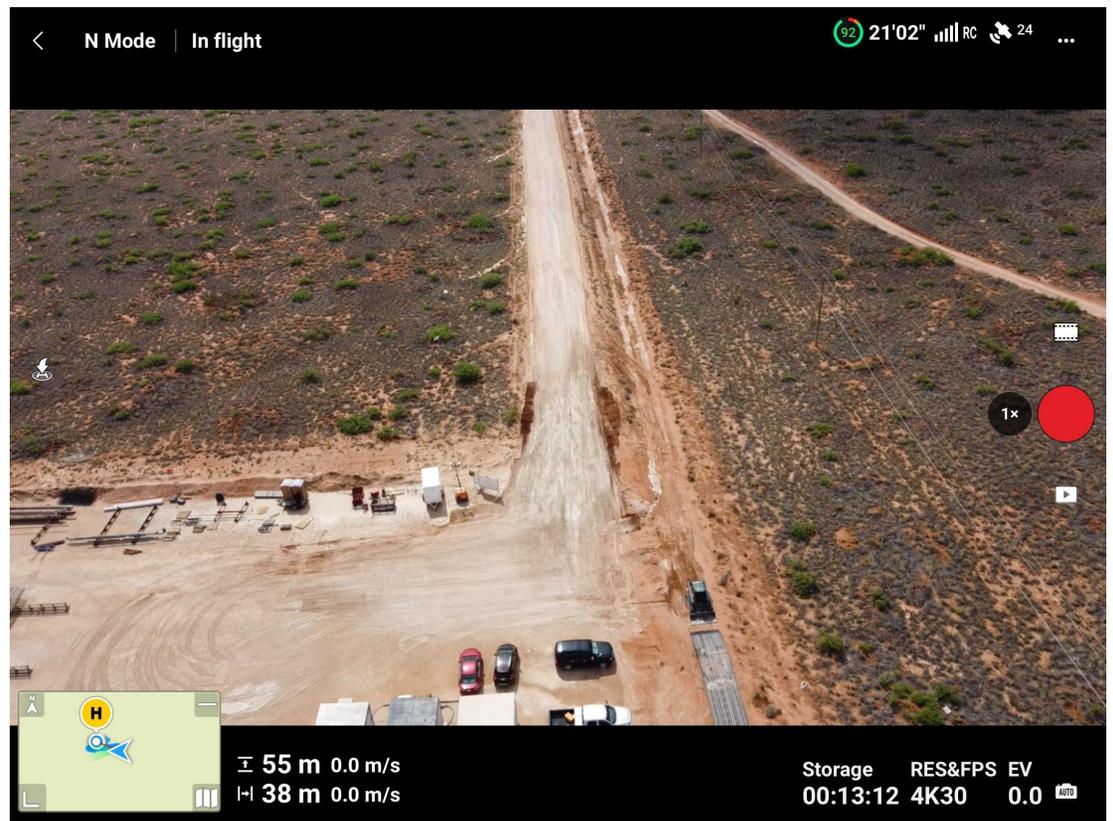


CIMAREX ENERGY  
RED HILLS UNIT 81H  
LEA, NM



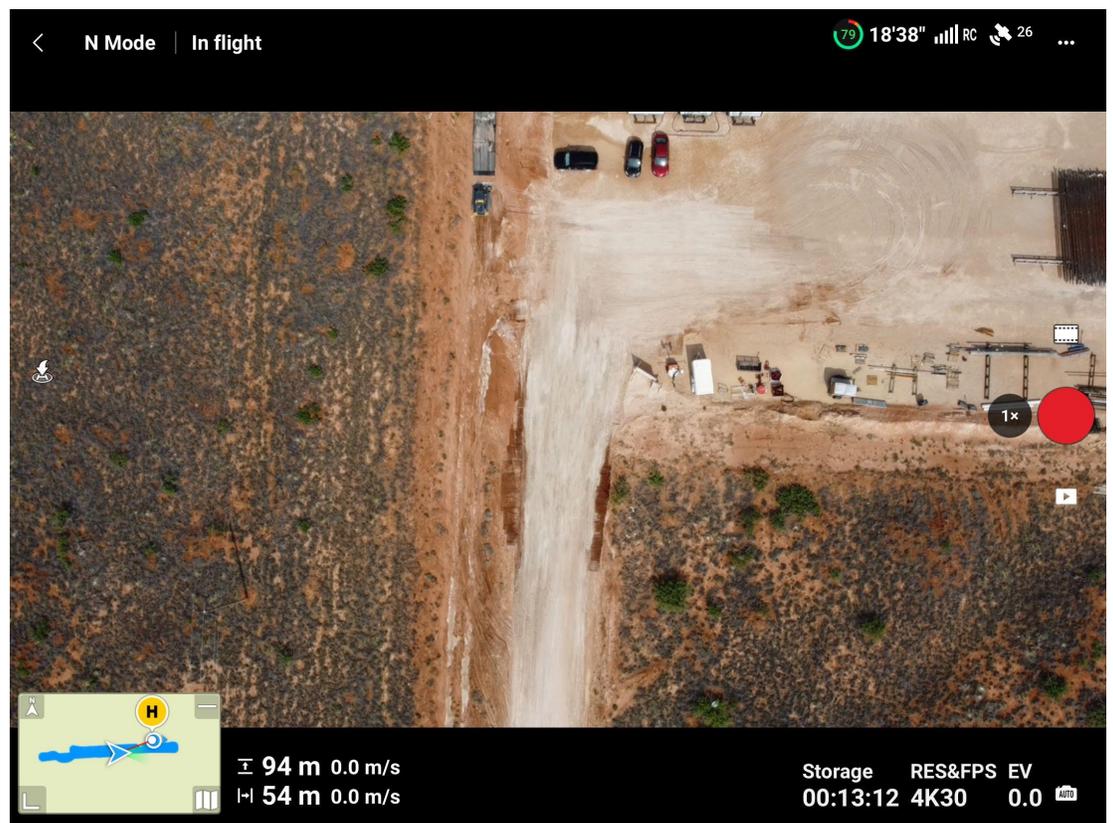
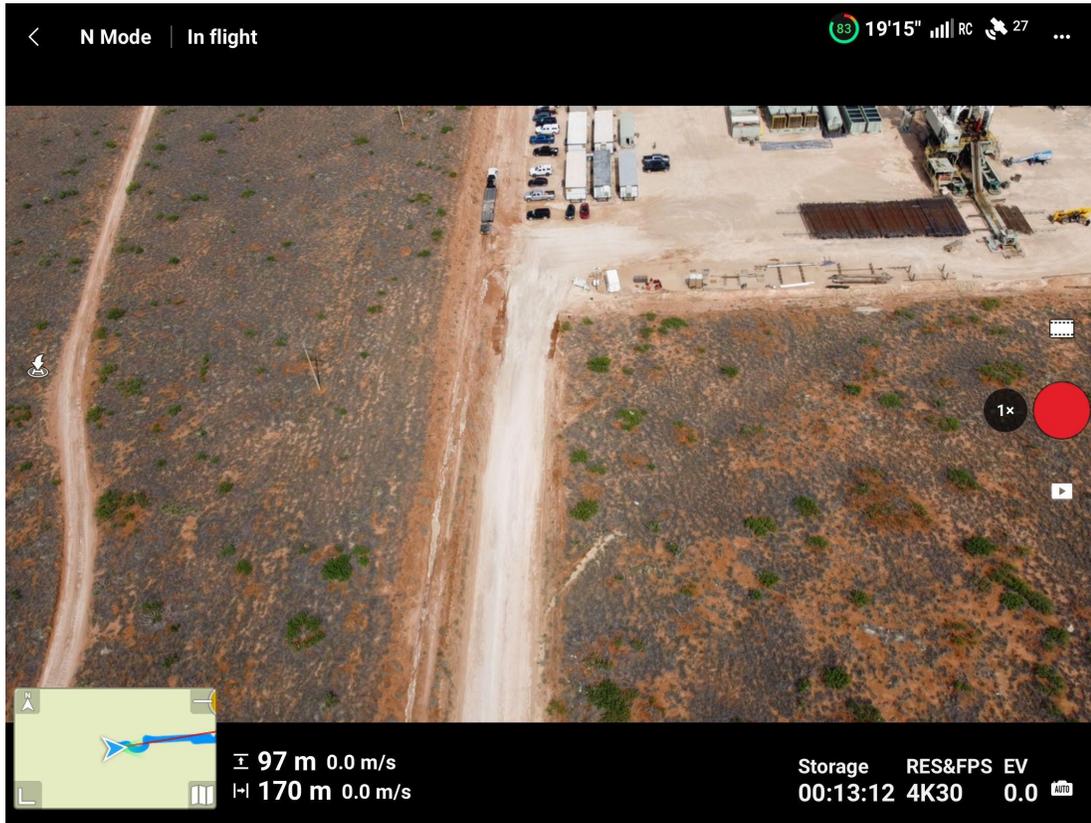


CIMAREX ENERGY  
RED HILLS UNIT 81H  
LEA, NM





# CIMAREX ENERGY RED HILLS UNIT 81H LEA, NM



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 458237

**QUESTIONS**

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 458237
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2511728701
Incident Name	NAPP2511728701 RED HILLS UNIT 81H @ 30-025-51930
Incident Type	Oil Release
Incident Status	Initial C-141 Received
Incident Well	[30-025-51930] RED HILLS UNIT #081H

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	RED HILLS UNIT 81H
Date Release Discovered	04/26/2025
Surface Owner	Federal

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	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

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Other   Transport   Crude Oil   Released: 13 BBL   Recovered: 13 BBL   Lost: 0 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	We had a reportable release at the Red Hills Unit 81H due to a release from an end dump trailer that was transferring oil-based mud cuttings to disposal. An incident investigation is currently underway to determine the cause of the release from the trailer. This incident resulted in an estimated release of 13.36 barrels oil-based mud onto the lease road and well pad. An emergency one call was placed, the cuttings were promptly removed, with a total of 21 yards of material transported to disposal. We will assess the impacted area for further remediation in the coming weeks. Released: 2.78 cubic yards oil based mud (13.36 barrels) Recovered: 21 cubic yards

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Energy, Minerals and Natural Resources  
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Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 458237

**QUESTIONS (continued)**

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 458237
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

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

**Initial Response**

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

The source of the release has been stopped	<b>True</b>
The impacted area has been secured to protect human health and the environment	<b>True</b>
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	<b>True</b>
All free liquids and recoverable materials have been removed and managed appropriately	<b>True</b>
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: Laci Luig Title: ES&H Specialist Email: DL_PerminianEnvironmental@coterra.com Date: 05/05/2025
--	---

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

QUESTIONS, Page 3

Action 458237

**QUESTIONS (continued)**

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 458237
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

<b>Site Characterization</b>	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
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.

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	No
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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

CONDITIONS

Action 458237

**CONDITIONS**

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 458237
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**CONDITIONS**

Created By	Condition	Condition Date
scott.rodgers	None	5/5/2025

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

QUESTIONS

Action 536096

**QUESTIONS**

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 536096
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2511728701
Incident Name	NAPP2511728701 RED HILLS UNIT 81H @ 30-025-51930
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-51930] RED HILLS UNIT #081H

<b>Location of Release Source</b>	
Site Name	RED HILLS UNIT 81H
Date Release Discovered	04/26/2025
Surface Owner	Federal

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	1,800
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/23/2025
Time sampling will commence	10:00 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources - 432-813-8988 Will be onsite to collect confirmation surface samples from the scraped area of the incident area (wellpad/access road) now that fracking operations nearby have been completed and the area is safe to do.
Please provide any information necessary for navigation to sampling site	32.093879,-103.572212

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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 536096

**CONDITIONS**

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 536096
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
athielke	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
athielke	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

## APPENDIX D

CARMONA RESOURCES

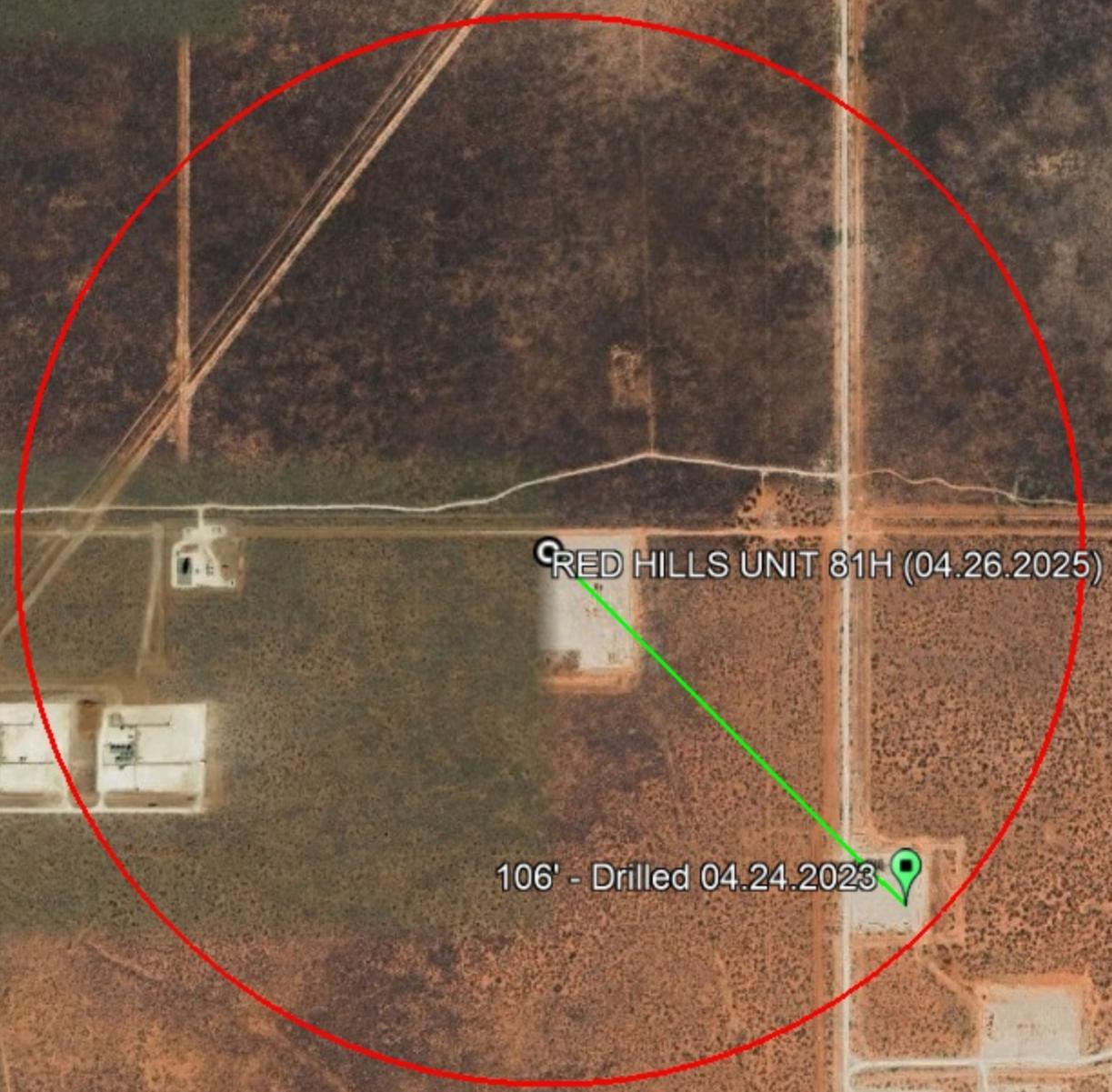


### Nearest Water Well

CIMAREX ENERGY CO. OF COLORADO

**Legend**

- 0.47 Miles
- 0.50 Mile Radius
- Groundwater Determination Bore
- RED HILLS UNIT 81H (04.26.2025)



RED HILLS UNIT 81H (04.26.2025)

106' - Drilled 04.24.2023



# Low Karst

CIMAREX ENERGY CO. OF COLORADO

## Legend

-  Low
-  Medium
-  RED HILLS UNIT 81H (04.26.2025)

RED HILLS UNIT 81H (04.26.2025)





# 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
<a href="#">C 04698 POD1</a>		CUB	LE	NE	NW	SE	27	25S	33E	635651.9	3553287.5	●	1806	80		
<a href="#">C 02313</a>		CUB	LE	NE	SW	SW	26	25S	33E	636971.0	3552098.0 *	●	2269	150	110	40
<a href="#">C 04537 POD1</a>		C	LE	SE	SE	SE	31	25S	33E	631846.7	3550243.2	●	3246	500	280	220
<a href="#">C 04699 POD1</a>		CUB	LE	NE	NW	SE	22	25S	33E	635709.0	3554978.3	●	3388	80		
<a href="#">C 02285 POD1</a>		CUB	LE	NW	SE	SE	03	26S	33E	636612.9	3548855.0	●	3439	220	220	0
<a href="#">C 02287</a>		C	LE	SW	SE	SE	03	26S	33E	636427.4	3548708.1	●	3468	220		
<a href="#">C 02290</a>		CUB	LE	SE	SE	SE	03	26S	33E	636538.0	3548770.9	●	3470	200	160	40
<a href="#">C 02286</a>		CUB	LE	SW	SE	SE	03	26S	33E	636469.5	3548714.8	●	3483	220	175	45
<a href="#">C 02288</a>		CUB	LE	SE	SE	SE	03	26S	33E	636645.9	3548758.5	●	3538	220	180	40
<a href="#">C 02289</a>		CUB	LE	SE	SE	SE	03	26S	33E	636612.0	3548675.0 *	●	3590	200	160	40

Average Depth to Water: **183 feet**

Minimum Depth: **110 feet**

Maximum Depth: **280 feet**

**Record Count:** 10

**UTM Filters (in meters):**

**Easting:** 634730.73

**Northing:** 3551733.58

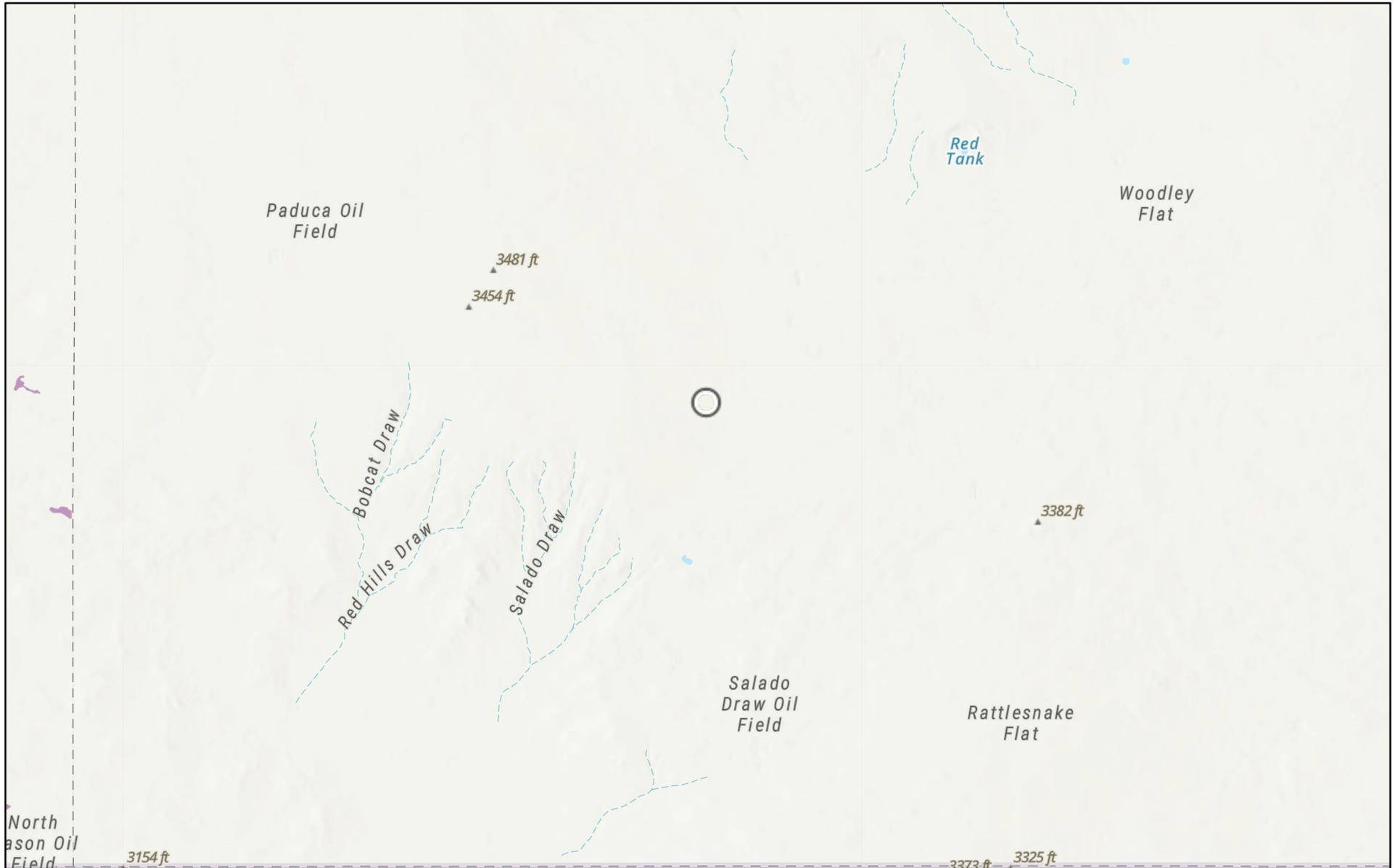
**Radius:** 4000

\* 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.

							Sample Name: C-04732		Date: 04/19/2023					
							Site Name: Rojo 18 ELL				Incident Number: nAPP2222753156			
							Job Number: 03C2012007				Logged By: J.falcomata		Method: Air Rotary	
							Coordinates: 32.089035, -103.566486				Hole Diameter: 5"		Total Depth: 106'	
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>														
Comments: Soil boring was advanced to a total depth of 106' bgs. No water was observed within the soil boring after at least 72 hours. On 04/24/2023 the soil boring was plugged and abandoned using hydrated bentonite chips.														
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions						
Dry	-	-	N	-	-	10	SP-SM	Note: Driller injected well with a water and soap mixture @ 55' to help stabilize well and prevent cave in. Due to collapse, well cased @ 102' with 2" polypipe casing. (10') SAND: fine grained - medium grained, trace amounts small gravel, poorly graded, tan, no odor, non plastic non cohesive (20') SAND: fine grained, silty, poorly graded, medium brown, no odor, non plastic, non cohesive. (30') SAND: fine - medium grained, silty, trace amount small gravel, poorly graded, light brown, no odor, non plastic, non cohesive (40') SAND: fine grained, silty, poorly graded, light to orangish brown, no odor, non plastic, non cohesive (50') SAND: fine grained, silty, poorly graded, light to orangish brown, no odor, non plastic, non cohesive (60') SAND: fine grained, silty, poorly graded, orangish brown, wet from injection, no odor, non plastic, non cohesive (70') SAND: fine grained, silty, poorly graded, medium brown, wet from injection, no odor, non plastic, non cohesive (80') SAND: fine grained, silty, poorly graded, medium brown, wet from injection, no odor, non plastic, non cohesive (90') SAND: fine grained, silty, poorly graded, orangish brown, wet from injection, no odor, non plastic, non cohesive (100') SAND: fine grained, silty, poorly graded, tan, wet from injection, no odor, non plastic, non cohesive cohesive AA						
Dry	-	-	N	-	-	20	SP-SM							
Dry	-	-	N	-	-	30	SP-SM							
Dry	-	-	N	-	-	40	SP-SM							
Dry	-	-	N	-	-	50	SP-SM							
Wet	-	-	N	-	-	60	SP-SM							
Wet	-	-	N	-	-	70	SP-SM							
Wet	-	-	N	-	-	80	SP-SM							
Wet	-	-	N	-	-	90	SP-SM							
Wet	-	-	N	-	-	100	SP-SM							
Wet	-	-	N	-	-	106	SP-SM							
Total Depth @ 106 feet bgs														

# RED HILLS UNIT 81H (04.26.2025)

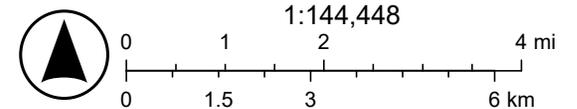


5/21/2025

USA Flood Hazard Areas

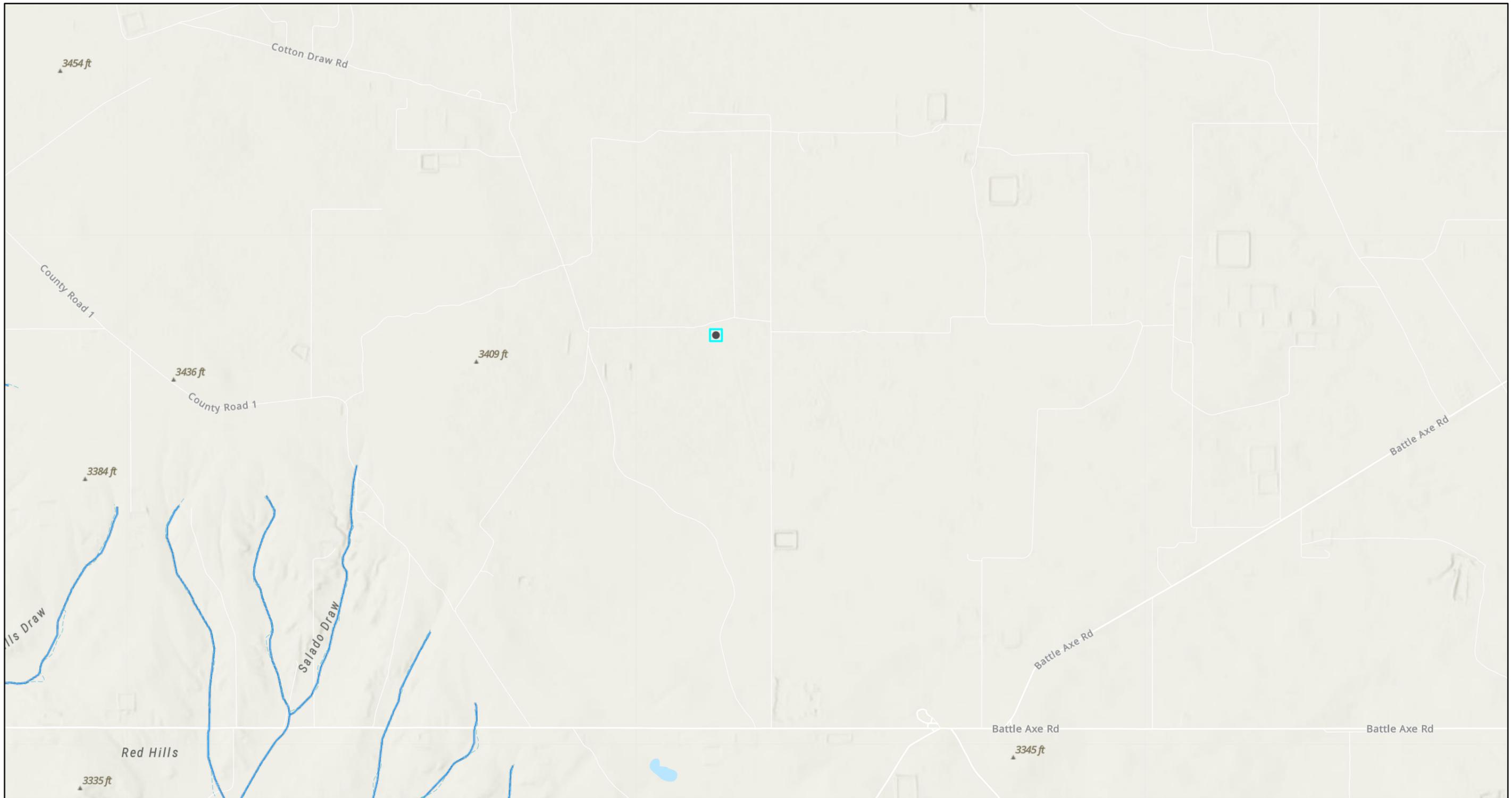
 1% Annual Chance Flood Hazard

World\_Hillshade



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

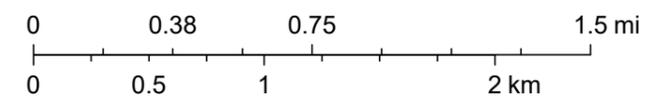
# RED HILLS UNIT 81H (04.26.2025)



5/21/2025, 1:48:58 PM

— OSE Streams

1:36,112



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

## APPENDIX E

CARMONA RESOURCES





Environment Testing

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

# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 5/29/2025 12:19:24 PM

## JOB DESCRIPTION

Redhills Unit 81H  
 2739

## JOB NUMBER

890-8223-1

Eurofins Carlsbad  
 1089 N Canal St.  
 Carlsbad NM 88220



# Eurofins Carlsbad

## Job Notes

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

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

## Authorization



Generated  
5/29/2025 12:19:24 PM

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

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

Client: Carmona Resources  
Project/Site: Redhills Unit 81H

Laboratory Job ID: 890-8223-1  
SDG: 2739

# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	7
Surrogate Summary . . . . .	10
QC Sample Results . . . . .	11
QC Association Summary . . . . .	16
Lab Chronicle . . . . .	18
Certification Summary . . . . .	20
Method Summary . . . . .	21
Sample Summary . . . . .	22
Chain of Custody . . . . .	23
Receipt Checklists . . . . .	24

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

## Definitions/Glossary

Client: Carmona Resources  
Project/Site: Redhills Unit 81H

Job ID: 890-8223-1  
SDG: 2739

## Qualifiers

## GC VOA

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

## GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
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: Redhills Unit 81H

Job ID: 890-8223-1

**Job ID: 890-8223-1**

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### Job Narrative 890-8223-1

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

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

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

#### Receipt

The samples were received on 5/22/2025 4:33 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H - 1 (0.5') (890-8223-1), H - 2 (0.5') (890-8223-2), H - 3 (0.5') (890-8223-3) and H - 4 (0.5') (890-8223-4).

#### 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 880-110951 and analytical batch 880-111033 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110903 and analytical batch 880-111082 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD\_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-110903 and analytical batch 880-111082 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28).

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: H - 1 (0.5') (890-8223-1) and (880-58514-A-23-B). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (880-58514-A-23-C MS) and (880-58514-A-23-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110951 and analytical batch 880-111033 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD\_NM: The method blank for preparation batch 880-110951 and analytical batch 880-111033 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

#### HPLC/IC

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## Case Narrative

Client: Carmona Resources  
Project: Redhills Unit 81H

Job ID: 890-8223-1

**Job ID: 890-8223-1 (Continued)**

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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: Redhills Unit 81H

Job ID: 890-8223-1  
 SDG: 2739

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

**Lab Sample ID: 890-8223-1**

Date Collected: 05/22/25 00:00

Matrix: Solid

Date Received: 05/22/25 16:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/23/25 15:41	05/28/25 01:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/23/25 15:41	05/28/25 01:44	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/23/25 15:41	05/28/25 01:44	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		05/23/25 15:41	05/28/25 01:44	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/23/25 15:41	05/28/25 01:44	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/23/25 15:41	05/28/25 01:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	05/23/25 15:41	05/28/25 01:44	1
1,4-Difluorobenzene (Surr)	72		70 - 130	05/23/25 15:41	05/28/25 01:44	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/28/25 01:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/29/25 00:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U *1	50.1		mg/Kg		05/23/25 17:04	05/29/25 00:02	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		05/23/25 17:04	05/29/25 00:02	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/23/25 17:04	05/29/25 00:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	131	S1+	70 - 130	05/23/25 17:04	05/29/25 00:02	1
o-Terphenyl (Surr)	135	S1+	70 - 130	05/23/25 17:04	05/29/25 00:02	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.9		9.96		mg/Kg			05/27/25 23:34	1

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

**Lab Sample ID: 890-8223-2**

Date Collected: 05/22/25 00:00

Matrix: Solid

Date Received: 05/22/25 16:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/23/25 15:41	05/28/25 02:04	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/23/25 15:41	05/28/25 02:04	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/23/25 15:41	05/28/25 02:04	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		05/23/25 15:41	05/28/25 02:04	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/23/25 15:41	05/28/25 02:04	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/23/25 15:41	05/28/25 02:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	05/23/25 15:41	05/28/25 02:04	1
1,4-Difluorobenzene (Surr)	75		70 - 130	05/23/25 15:41	05/28/25 02:04	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-8223-1  
 SDG: 2739

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

**Lab Sample ID: 890-8223-2**

Date Collected: 05/22/25 00:00

Matrix: Solid

Date Received: 05/22/25 16:33

**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			05/28/25 02:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/28/25 19:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	50.0		mg/Kg		05/27/25 09:52	05/28/25 19:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		05/27/25 09:52	05/28/25 19:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/27/25 09:52	05/28/25 19:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130	05/27/25 09:52	05/28/25 19:13	1
o-Terphenyl (Surr)	116		70 - 130	05/27/25 09:52	05/28/25 19:13	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.7		9.98		mg/Kg			05/27/25 23:41	1

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

**Lab Sample ID: 890-8223-3**

Date Collected: 05/22/25 00:00

Matrix: Solid

Date Received: 05/22/25 16:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/25 15:41	05/28/25 02:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/25 15:41	05/28/25 02:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/25 15:41	05/28/25 02:25	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/23/25 15:41	05/28/25 02:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/25 15:41	05/28/25 02:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/25 15:41	05/28/25 02:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	05/23/25 15:41	05/28/25 02:25	1
1,4-Difluorobenzene (Surr)	70		70 - 130	05/23/25 15:41	05/28/25 02:25	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			05/28/25 02:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/28/25 20:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/27/25 09:52	05/28/25 20:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/27/25 09:52	05/28/25 20:34	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-8223-1  
 SDG: 2739

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

**Lab Sample ID: 890-8223-3**

Date Collected: 05/22/25 00:00

Matrix: Solid

Date Received: 05/22/25 16:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/27/25 09:52	05/28/25 20:34	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	130		70 - 130				05/27/25 09:52	05/28/25 20:34	1
o-Terphenyl (Surr)	121		70 - 130				05/27/25 09:52	05/28/25 20:34	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		10.0		mg/Kg			05/27/25 23:48	1

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

**Lab Sample ID: 890-8223-4**

Date Collected: 05/22/25 00:00

Matrix: Solid

Date Received: 05/22/25 16:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/25 15:41	05/28/25 02:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/25 15:41	05/28/25 02:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/25 15:41	05/28/25 02:45	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/23/25 15:41	05/28/25 02:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/25 15:41	05/28/25 02:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/23/25 15:41	05/28/25 02:45	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	101		70 - 130				05/23/25 15:41	05/28/25 02:45	1
1,4-Difluorobenzene (Surr)	74		70 - 130				05/23/25 15:41	05/28/25 02:45	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			05/28/25 02:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/28/25 20:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/27/25 09:52	05/28/25 20:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/27/25 09:52	05/28/25 20:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/27/25 09:52	05/28/25 20:50	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	129		70 - 130				05/27/25 09:52	05/28/25 20:50	1
o-Terphenyl (Surr)	117		70 - 130				05/27/25 09:52	05/28/25 20:50	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	128		10.0		mg/Kg			05/27/25 23:56	1

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## Surrogate Summary

Client: Carmona Resources  
Project/Site: Redhills Unit 81HJob ID: 890-8223-1  
SDG: 2739

## 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)
890-8218-A-1-A MS	Matrix Spike	107	86
890-8218-A-1-B MSD	Matrix Spike Duplicate	95	87
890-8223-1	H - 1 (0.5')	98	72
890-8223-2	H - 2 (0.5')	107	75
890-8223-3	H - 3 (0.5')	105	70
890-8223-4	H - 4 (0.5')	101	74
LCS 880-110874/1-A	Lab Control Sample	103	86
LCSD 880-110874/2-A	Lab Control Sample Dup	101	86
MB 880-110874/5-A	Method Blank	94	72

**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)
880-58514-A-23-C MS	Matrix Spike	132 S1+	127
880-58514-A-23-D MSD	Matrix Spike Duplicate	131 S1+	126
890-8223-1	H - 1 (0.5')	131 S1+	135 S1+
890-8223-2	H - 2 (0.5')	125	116
890-8223-2 MS	H - 2 (0.5')	113	113
890-8223-2 MSD	H - 2 (0.5')	126	112
890-8223-3	H - 3 (0.5')	130	121
890-8223-4	H - 4 (0.5')	129	117
LCS 880-110903/2-A	Lab Control Sample	75	75
LCS 880-110951/2-A	Lab Control Sample	81	88
LCSD 880-110903/3-A	Lab Control Sample Dup	116	116
LCSD 880-110951/3-A	Lab Control Sample Dup	99	91
MB 880-110903/1-A	Method Blank	102	107
MB 880-110951/1-A	Method Blank	77	77

**Surrogate Legend**

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-8223-1  
 SDG: 2739

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

Lab Sample ID: MB 880-110874/5-A  
 Matrix: Solid  
 Analysis Batch: 111016

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 110874

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/25 15:41	05/27/25 18:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/25 15:41	05/27/25 18:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/25 15:41	05/27/25 18:59	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/23/25 15:41	05/27/25 18:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/25 15:41	05/27/25 18:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/23/25 15:41	05/27/25 18:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	05/23/25 15:41	05/27/25 18:59	1
1,4-Difluorobenzene (Surr)	72		70 - 130	05/23/25 15:41	05/27/25 18:59	1

Lab Sample ID: LCS 880-110874/1-A  
 Matrix: Solid  
 Analysis Batch: 111016

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 110874

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1181		mg/Kg		118	70 - 130
Toluene	0.100	0.1059		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1102		mg/Kg		110	70 - 130
m,p-Xylenes	0.200	0.2233		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1123		mg/Kg		112	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: LCSD 880-110874/2-A  
 Matrix: Solid  
 Analysis Batch: 111016

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 110874

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1179		mg/Kg		118	70 - 130	0	35
Toluene	0.100	0.1057		mg/Kg		106	70 - 130	0	35
Ethylbenzene	0.100	0.1108		mg/Kg		111	70 - 130	1	35
m,p-Xylenes	0.200	0.2240		mg/Kg		112	70 - 130	0	35
o-Xylene	0.100	0.1135		mg/Kg		114	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: 890-8218-A-1-A MS  
 Matrix: Solid  
 Analysis Batch: 111016

Client Sample ID: Matrix Spike  
 Prep Type: Total/NA  
 Prep Batch: 110874

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1131		mg/Kg		113	70 - 130
Toluene	<0.00200	U	0.100	0.09815		mg/Kg		98	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-8223-1  
 SDG: 2739

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

Lab Sample ID: 890-8218-A-1-A MS  
 Matrix: Solid  
 Analysis Batch: 111016

Client Sample ID: Matrix Spike  
 Prep Type: Total/NA  
 Prep Batch: 110874

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier		Result	Qualifier					Limits
Ethylbenzene	<0.00200	U	0.100	0.09850		mg/Kg		99	70 - 130	
m,p-Xylenes	<0.00399	U	0.200	0.1975		mg/Kg		99	70 - 130	
o-Xylene	<0.00200	U	0.100	0.1003		mg/Kg		100	70 - 130	
		<b>MS</b>	<b>MS</b>							
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
4-Bromofluorobenzene (Surr)	107		70 - 130							
1,4-Difluorobenzene (Surr)	86		70 - 130							

Lab Sample ID: 890-8218-A-1-B MSD  
 Matrix: Solid  
 Analysis Batch: 111016

Client Sample ID: Matrix Spike Duplicate  
 Prep Type: Total/NA  
 Prep Batch: 110874

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD	Limit
	Result	Qualifier		Result	Qualifier							
Benzene	<0.00200	U	0.100	0.1011		mg/Kg		101	70 - 130	11		35
Toluene	<0.00200	U	0.100	0.08674		mg/Kg		87	70 - 130	12		35
Ethylbenzene	<0.00200	U	0.100	0.08523		mg/Kg		85	70 - 130	14		35
m,p-Xylenes	<0.00399	U	0.200	0.1664		mg/Kg		83	70 - 130	17		35
o-Xylene	<0.00200	U	0.100	0.08574		mg/Kg		86	70 - 130	16		35
		<b>MSD</b>	<b>MSD</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>									
4-Bromofluorobenzene (Surr)	95		70 - 130									
1,4-Difluorobenzene (Surr)	87		70 - 130									

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

Lab Sample ID: MB 880-110903/1-A  
 Matrix: Solid  
 Analysis Batch: 111082

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 110903

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		05/23/25 17:04	05/28/25 16:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/25 17:04	05/28/25 16:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/25 17:04	05/28/25 16:32	1
		<b>MB</b>	<b>MB</b>						
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>	
1-Chlorooctane (Surr)	102		70 - 130			05/23/25 17:04	05/28/25 16:32	1	
o-Terphenyl (Surr)	107		70 - 130			05/23/25 17:04	05/28/25 16:32	1	

Lab Sample ID: LCS 880-110903/2-A  
 Matrix: Solid  
 Analysis Batch: 111082

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 110903

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
Gasoline Range Organics (GRO)-C6-C10	1000	1154		mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1096		mg/Kg		110	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-8223-1  
 SDG: 2739

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

**Lab Sample ID: LCS 880-110903/2-A**  
**Matrix: Solid**  
**Analysis Batch: 111082**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 110903**

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	75		70 - 130
o-Terphenyl (Surr)	75		70 - 130

**Lab Sample ID: LCSD 880-110903/3-A**  
**Matrix: Solid**  
**Analysis Batch: 111082**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 110903**

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	915.0	*1	mg/Kg		92	70 - 130	23	20	
Diesel Range Organics (Over C10-C28)	1000	877.3	*1	mg/Kg		88	70 - 130	22	20	

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

**Lab Sample ID: 880-58514-A-23-C MS**  
**Matrix: Solid**  
**Analysis Batch: 111082**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 110903**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.1	U *1	999	720.8		mg/Kg		72	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.1	U *1 F1	999	670.4	F1	mg/Kg		67	70 - 130	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	132	S1+	70 - 130
o-Terphenyl (Surr)	127		70 - 130

**Lab Sample ID: 880-58514-A-23-D MSD**  
**Matrix: Solid**  
**Analysis Batch: 111082**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 110903**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.1	U *1	999	713.0		mg/Kg		71	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	<50.1	U *1 F1	999	659.5	F1	mg/Kg		66	70 - 130	2	20	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	131	S1+	70 - 130
o-Terphenyl (Surr)	126		70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-8223-1  
 SDG: 2739

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

**Lab Sample ID: MB 880-110951/1-A**  
**Matrix: Solid**  
**Analysis Batch: 111033**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 110951**

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		05/27/25 09:52	05/28/25 18:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/27/25 09:52	05/28/25 18:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/27/25 09:52	05/28/25 18:25	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	77		70 - 130	05/27/25 09:52	05/28/25 18:25	1
o-Terphenyl (Surr)	77		70 - 130	05/27/25 09:52	05/28/25 18:25	1

**Lab Sample ID: LCS 880-110951/2-A**  
**Matrix: Solid**  
**Analysis Batch: 111033**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 110951**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	974.5		mg/Kg		97	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	81		70 - 130
o-Terphenyl (Surr)	88		70 - 130

**Lab Sample ID: LCSD 880-110951/3-A**  
**Matrix: Solid**  
**Analysis Batch: 111033**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 110951**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	863.7		mg/Kg		86	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	931.3		mg/Kg		93	70 - 130	5	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	99		70 - 130
o-Terphenyl (Surr)	91		70 - 130

**Lab Sample ID: 890-8223-2 MS**  
**Matrix: Solid**  
**Analysis Batch: 111033**

**Client Sample ID: H - 2 (0.5')**  
**Prep Type: Total/NA**  
**Prep Batch: 110951**

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	1000	656.5	F1	mg/Kg		64	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	751.6		mg/Kg		75	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-8223-1  
 SDG: 2739

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

Lab Sample ID: 890-8223-2 MS  
 Matrix: Solid  
 Analysis Batch: 111033

Client Sample ID: H - 2 (0.5')  
 Prep Type: Total/NA  
 Prep Batch: 110951

Surrogate	%Recovery	MS MS Qualifier	Limits
1-Chlorooctane (Surr)	113		70 - 130
o-Terphenyl (Surr)	113		70 - 130

Lab Sample ID: 890-8223-2 MSD  
 Matrix: Solid  
 Analysis Batch: 111033

Client Sample ID: H - 2 (0.5')  
 Prep Type: Total/NA  
 Prep Batch: 110951

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	1000	680.4	F1	mg/Kg		66	70 - 130	4	20	
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	680.6	F1	mg/Kg		68	70 - 130	10	20	

Surrogate	%Recovery	MSD MSD Qualifier	Limits
1-Chlorooctane (Surr)	126		70 - 130
o-Terphenyl (Surr)	112		70 - 130

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-110979/1-A  
 Matrix: Solid  
 Analysis Batch: 110988

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			05/27/25 20:24	1

Lab Sample ID: LCS 880-110979/2-A  
 Matrix: Solid  
 Analysis Batch: 110988

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	263.8		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-110979/3-A  
 Matrix: Solid  
 Analysis Batch: 110988

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Chloride	250	262.8		mg/Kg		105	90 - 110	0	20

## QC Association Summary

Client: Carmona Resources  
Project/Site: Redhills Unit 81HJob ID: 890-8223-1  
SDG: 2739

## GC VOA

## Prep Batch: 110874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8223-1	H - 1 (0.5')	Total/NA	Solid	5035	
890-8223-2	H - 2 (0.5')	Total/NA	Solid	5035	
890-8223-3	H - 3 (0.5')	Total/NA	Solid	5035	
890-8223-4	H - 4 (0.5')	Total/NA	Solid	5035	
MB 880-110874/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-110874/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-110874/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8218-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-8218-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 111016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8223-1	H - 1 (0.5')	Total/NA	Solid	8021B	110874
890-8223-2	H - 2 (0.5')	Total/NA	Solid	8021B	110874
890-8223-3	H - 3 (0.5')	Total/NA	Solid	8021B	110874
890-8223-4	H - 4 (0.5')	Total/NA	Solid	8021B	110874
MB 880-110874/5-A	Method Blank	Total/NA	Solid	8021B	110874
LCS 880-110874/1-A	Lab Control Sample	Total/NA	Solid	8021B	110874
LCSD 880-110874/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	110874
890-8218-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	110874
890-8218-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	110874

## Analysis Batch: 111042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8223-1	H - 1 (0.5')	Total/NA	Solid	Total BTEX	
890-8223-2	H - 2 (0.5')	Total/NA	Solid	Total BTEX	
890-8223-3	H - 3 (0.5')	Total/NA	Solid	Total BTEX	
890-8223-4	H - 4 (0.5')	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 110903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8223-1	H - 1 (0.5')	Total/NA	Solid	8015NM Prep	
MB 880-110903/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-110903/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-110903/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-58514-A-23-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-58514-A-23-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Prep Batch: 110951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8223-2	H - 2 (0.5')	Total/NA	Solid	8015NM Prep	
890-8223-3	H - 3 (0.5')	Total/NA	Solid	8015NM Prep	
890-8223-4	H - 4 (0.5')	Total/NA	Solid	8015NM Prep	
MB 880-110951/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-110951/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-110951/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8223-2 MS	H - 2 (0.5')	Total/NA	Solid	8015NM Prep	
890-8223-2 MSD	H - 2 (0.5')	Total/NA	Solid	8015NM Prep	

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Redhills Unit 81HJob ID: 890-8223-1  
SDG: 2739

## GC Semi VOA

## Analysis Batch: 111033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8223-2	H - 2 (0.5')	Total/NA	Solid	8015B NM	110951
890-8223-3	H - 3 (0.5')	Total/NA	Solid	8015B NM	110951
890-8223-4	H - 4 (0.5')	Total/NA	Solid	8015B NM	110951
MB 880-110951/1-A	Method Blank	Total/NA	Solid	8015B NM	110951
LCS 880-110951/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	110951
LCSD 880-110951/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	110951
890-8223-2 MS	H - 2 (0.5')	Total/NA	Solid	8015B NM	110951
890-8223-2 MSD	H - 2 (0.5')	Total/NA	Solid	8015B NM	110951

## Analysis Batch: 111082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8223-1	H - 1 (0.5')	Total/NA	Solid	8015B NM	110903
MB 880-110903/1-A	Method Blank	Total/NA	Solid	8015B NM	110903
LCS 880-110903/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	110903
LCSD 880-110903/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	110903
880-58514-A-23-C MS	Matrix Spike	Total/NA	Solid	8015B NM	110903
880-58514-A-23-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	110903

## Analysis Batch: 111150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8223-1	H - 1 (0.5')	Total/NA	Solid	8015 NM	
890-8223-2	H - 2 (0.5')	Total/NA	Solid	8015 NM	
890-8223-3	H - 3 (0.5')	Total/NA	Solid	8015 NM	
890-8223-4	H - 4 (0.5')	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 110979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8223-1	H - 1 (0.5')	Soluble	Solid	DI Leach	
890-8223-2	H - 2 (0.5')	Soluble	Solid	DI Leach	
890-8223-3	H - 3 (0.5')	Soluble	Solid	DI Leach	
890-8223-4	H - 4 (0.5')	Soluble	Solid	DI Leach	
MB 880-110979/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-110979/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-110979/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

## Analysis Batch: 110988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8223-1	H - 1 (0.5')	Soluble	Solid	300.0	110979
890-8223-2	H - 2 (0.5')	Soluble	Solid	300.0	110979
890-8223-3	H - 3 (0.5')	Soluble	Solid	300.0	110979
890-8223-4	H - 4 (0.5')	Soluble	Solid	300.0	110979
MB 880-110979/1-A	Method Blank	Soluble	Solid	300.0	110979
LCS 880-110979/2-A	Lab Control Sample	Soluble	Solid	300.0	110979
LCSD 880-110979/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	110979

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### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-8223-1  
 SDG: 2739

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

**Lab Sample ID: 890-8223-1**

Date Collected: 05/22/25 00:00

Matrix: Solid

Date Received: 05/22/25 16:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	110874	05/23/25 15:41	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111016	05/28/25 01:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111042	05/28/25 01:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			111150	05/29/25 00:02	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	110903	05/23/25 17:04	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111082	05/29/25 00:02	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	110979	05/27/25 12:50	SA	EET MID
Soluble	Analysis	300.0		1			110988	05/27/25 23:34	CH	EET MID

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

**Lab Sample ID: 890-8223-2**

Date Collected: 05/22/25 00:00

Matrix: Solid

Date Received: 05/22/25 16:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	110874	05/23/25 15:41	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111016	05/28/25 02:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111042	05/28/25 02:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			111150	05/28/25 19:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	110951	05/27/25 09:52	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111033	05/28/25 19:13	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	110979	05/27/25 12:50	SA	EET MID
Soluble	Analysis	300.0		1			110988	05/27/25 23:41	CH	EET MID

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

**Lab Sample ID: 890-8223-3**

Date Collected: 05/22/25 00:00

Matrix: Solid

Date Received: 05/22/25 16:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	110874	05/23/25 15:41	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111016	05/28/25 02:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111042	05/28/25 02:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			111150	05/28/25 20:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	110951	05/27/25 09:52	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111033	05/28/25 20:34	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	110979	05/27/25 12:50	SA	EET MID
Soluble	Analysis	300.0		1			110988	05/27/25 23:48	CH	EET MID

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

**Lab Sample ID: 890-8223-4**

Date Collected: 05/22/25 00:00

Matrix: Solid

Date Received: 05/22/25 16:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	110874	05/23/25 15:41	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111016	05/28/25 02:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111042	05/28/25 02:45	SM	EET MID

Eurofins Carlsbad

### Lab Chronicle

Client: Carmona Resources  
Project/Site: Redhills Unit 81H

Job ID: 890-8223-1  
SDG: 2739

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

**Lab Sample ID: 890-8223-4**

**Date Collected: 05/22/25 00:00**

**Matrix: Solid**

**Date Received: 05/22/25 16:33**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			111150	05/28/25 20:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	110951	05/27/25 09:52	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111033	05/28/25 20:50	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	110979	05/27/25 12:50	SA	EET MID
Soluble	Analysis	300.0		1			110988	05/27/25 23:56	CH	EET MID

**Laboratory References:**

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

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### Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: Redhills Unit 81H

Job ID: 890-8223-1  
SDG: 2739

#### Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

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

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

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### Method Summary

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-8223-1  
 SDG: 2739

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: Redhills Unit 81H

Job ID: 890-8223-1  
SDG: 2739

---

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-8223-1	H - 1 (0.5')	Solid	05/22/25 00:00	05/22/25 16:33
890-8223-2	H - 2 (0.5')	Solid	05/22/25 00:00	05/22/25 16:33
890-8223-3	H - 3 (0.5')	Solid	05/22/25 00:00	05/22/25 16:33
890-8223-4	H - 4 (0.5')	Solid	05/22/25 00:00	05/22/25 16:33

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Chain of Custody

Work Order No:

5/29/2025

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	ThielkeA@Carmonaresources.com

Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	Work Order Comments
[ ] Level IV <input type="checkbox"/>	Page 1 of 1

890-8223 Chain of Custody



Codes  
J1 Water: H<sub>2</sub>O

Project Name:	Redhills Unit 81H	Turn Around	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush	Pres. Code	ANALYSIS REQU
Project Number:	2739	Due Date:	Standard TAT			
Project Location:	Lea County, NM					
Sampler's Name:	RP					
PO #:						
<b>SAMPLE RECEIPT</b>	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Parameters	
Received Infract:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	-1111111111			
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Correction Factor:	-0.2			
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Temperature Reading:	5.0			
Total Containers:		Corrected Temperature:	4.8			

Sample Identification	Date	Time	Soil	Depth	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
H-1 (0-0.5')	5/22/2025		X		Grab/	1	X	X	X	
H-2 (0-0.5')	5/22/2025		X		Grab/	1	X	X	X	
H-3 (0-0.5')	5/22/2025		X		Grab/	1	X	X	X	
H-4 (0-0.5')	5/22/2025		X		Grab/	1	X	X	X	

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	5/22 1633			

### Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8223-1

SDG Number: 2739

Login Number: 8223

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

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### Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-8223-1

SDG Number: 2739

**Login Number: 8223**

**List Number: 2**

**Creator: Laing, Edmundo**

**List Source: Eurofins Midland**  
**List Creation: 05/23/25 03:10 PM**

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

- 1
- 2
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- 4
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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 6/6/2025 2:36:05 PM

## JOB DESCRIPTION

Redhills Unit 81H  
 Lea County, NM

## JOB NUMBER

880-58981-1

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  
6/6/2025 2:36:05 PM

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

Client: Carmona Resources  
Project/Site: Redhills Unit 81H

Laboratory Job ID: 880-58981-1  
SDG: Lea County, NM

# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
Surrogate Summary . . . . .	12
QC Sample Results . . . . .	13
QC Association Summary . . . . .	17
Lab Chronicle . . . . .	20
Certification Summary . . . . .	23
Method Summary . . . . .	24
Sample Summary . . . . .	25
Chain of Custody . . . . .	26
Receipt Checklists . . . . .	27

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

## Definitions/Glossary

Client: Carmona Resources  
Project/Site: Redhills Unit 81H

Job ID: 880-58981-1  
SDG: Lea County, NM

## Qualifiers

## GC VOA

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

## GC Semi VOA

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

## HPLC/IC

Qualifier	Qualifier Description
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: Redhills Unit 81H

Job ID: 880-58981-1

**Job ID: 880-58981-1**

**Eurofins Midland**

## Job Narrative 880-58981-1

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

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

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

### Receipt

The samples were received on 6/5/2025 8:31 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C.

### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-1.0') (880-58981-1), S-1 (1.5') (880-58981-2), S-1 (2.0') (880-58981-3), S-1 (3.0') (880-58981-4), S-2 (0-1.0') (880-58981-5), S-2 (1.5') (880-58981-6) and S-2 (2.0') (880-58981-7).

### 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: (LCSD 880-111558/3-A). Evidence of matrix interferences is not obvious.

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

### HPLC/IC

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-111559 and analytical batch 880-111567 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: Redhills Unit 81H

Job ID: 880-58981-1  
 SDG: Lea County, NM

**Client Sample ID: S-1 (0-1.0')**

**Lab Sample ID: 880-58981-1**

Date Collected: 06/03/25 00:00

Matrix: Solid

Date Received: 06/05/25 08:31

**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		06/05/25 09:07	06/05/25 11:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/05/25 09:07	06/05/25 11:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/05/25 09:07	06/05/25 11:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/05/25 09:07	06/05/25 11:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/05/25 09:07	06/05/25 11:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/05/25 09:07	06/05/25 11:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	06/05/25 09:07	06/05/25 11:22	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/05/25 09:07	06/05/25 11:22	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			06/05/25 11:22	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			06/05/25 23:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/05/25 09:02	06/05/25 23:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/05/25 09:02	06/05/25 23:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/05/25 09:02	06/05/25 23:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130	06/05/25 09:02	06/05/25 23:05	1
o-Terphenyl (Surr)	89		70 - 130	06/05/25 09:02	06/05/25 23:05	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	127		9.96		mg/Kg			06/05/25 16:21	1

**Client Sample ID: S-1 (1.5')**

**Lab Sample ID: 880-58981-2**

Date Collected: 06/03/25 00:00

Matrix: Solid

Date Received: 06/05/25 08:31

**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		06/05/25 09:07	06/05/25 11:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/05/25 09:07	06/05/25 11:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/05/25 09:07	06/05/25 11:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/05/25 09:07	06/05/25 11:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/05/25 09:07	06/05/25 11:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/05/25 09:07	06/05/25 11:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	06/05/25 09:07	06/05/25 11:42	1
1,4-Difluorobenzene (Surr)	79		70 - 130	06/05/25 09:07	06/05/25 11:42	1

Eurofins Midland

### Client Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 880-58981-1  
 SDG: Lea County, NM

**Client Sample ID: S-1 (1.5')**

**Lab Sample ID: 880-58981-2**

Date Collected: 06/03/25 00:00

Matrix: Solid

Date Received: 06/05/25 08:31

**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			06/05/25 11:42	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			06/05/25 23:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/05/25 09:02	06/05/25 23:21	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/05/25 09:02	06/05/25 23:21	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/05/25 09:02	06/05/25 23:21	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	99		70 - 130				06/05/25 09:02	06/05/25 23:21	1
o-Terphenyl (Surr)	94		70 - 130				06/05/25 09:02	06/05/25 23:21	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.5		10.0		mg/Kg			06/05/25 16:28	1

**Client Sample ID: S-1 (2.0')**

**Lab Sample ID: 880-58981-3**

Date Collected: 06/03/25 00:00

Matrix: Solid

Date Received: 06/05/25 08:31

**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		06/05/25 09:07	06/05/25 12:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/05/25 09:07	06/05/25 12:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/05/25 09:07	06/05/25 12:03	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/05/25 09:07	06/05/25 12:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/05/25 09:07	06/05/25 12:03	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/05/25 09:07	06/05/25 12:03	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	122		70 - 130				06/05/25 09:07	06/05/25 12:03	1
1,4-Difluorobenzene (Surr)	103		70 - 130				06/05/25 09:07	06/05/25 12:03	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			06/05/25 12:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/05/25 23:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		06/05/25 09:02	06/05/25 23:37	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		06/05/25 09:02	06/05/25 23:37	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 880-58981-1  
 SDG: Lea County, NM

**Client Sample ID: S-1 (2.0')**

**Lab Sample ID: 880-58981-3**

Date Collected: 06/03/25 00:00

Matrix: Solid

Date Received: 06/05/25 08:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/05/25 09:02	06/05/25 23:37	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	92		70 - 130				06/05/25 09:02	06/05/25 23:37	1
o-Terphenyl (Surr)	89		70 - 130				06/05/25 09:02	06/05/25 23:37	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.6	F1	9.98		mg/Kg			06/05/25 16:35	1

**Client Sample ID: S-1 (3.0')**

**Lab Sample ID: 880-58981-4**

Date Collected: 06/03/25 00:00

Matrix: Solid

Date Received: 06/05/25 08:31

**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		06/05/25 09:07	06/05/25 12:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/05/25 09:07	06/05/25 12:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/05/25 09:07	06/05/25 12:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/05/25 09:07	06/05/25 12:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/05/25 09:07	06/05/25 12:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/05/25 09:07	06/05/25 12:23	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	90		70 - 130				06/05/25 09:07	06/05/25 12:23	1
1,4-Difluorobenzene (Surr)	96		70 - 130				06/05/25 09:07	06/05/25 12:23	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			06/05/25 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/05/25 23:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/05/25 09:02	06/05/25 23:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/05/25 09:02	06/05/25 23:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/05/25 09:02	06/05/25 23:53	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	98		70 - 130				06/05/25 09:02	06/05/25 23:53	1
o-Terphenyl (Surr)	94		70 - 130				06/05/25 09:02	06/05/25 23:53	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.5		10.1		mg/Kg			06/05/25 16:57	1

### Client Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 880-58981-1  
 SDG: Lea County, NM

**Client Sample ID: S-2 (0-1.0')**

**Lab Sample ID: 880-58981-5**

Date Collected: 06/03/25 00:00

Matrix: Solid

Date Received: 06/05/25 08:31

**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		06/05/25 09:07	06/05/25 12:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/05/25 09:07	06/05/25 12:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/05/25 09:07	06/05/25 12:44	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/05/25 09:07	06/05/25 12:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/05/25 09:07	06/05/25 12:44	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/05/25 09:07	06/05/25 12:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	06/05/25 09:07	06/05/25 12:44	1
1,4-Difluorobenzene (Surr)	88		70 - 130	06/05/25 09:07	06/05/25 12:44	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/05/25 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	128		50.1		mg/Kg			06/06/25 00:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		06/05/25 09:02	06/06/25 00:10	1
<b>Diesel Range Organics (Over C10-C28)</b>	128		50.1		mg/Kg		06/05/25 09:02	06/06/25 00:10	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/05/25 09:02	06/06/25 00:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130	06/05/25 09:02	06/06/25 00:10	1
o-Terphenyl (Surr)	93		70 - 130	06/05/25 09:02	06/06/25 00:10	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	242		10.1		mg/Kg			06/05/25 17:04	1

**Client Sample ID: S-2 (1.5')**

**Lab Sample ID: 880-58981-6**

Date Collected: 06/03/25 00:00

Matrix: Solid

Date Received: 06/05/25 08:31

**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		06/05/25 09:07	06/05/25 13:04	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/05/25 09:07	06/05/25 13:04	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/05/25 09:07	06/05/25 13:04	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/05/25 09:07	06/05/25 13:04	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/05/25 09:07	06/05/25 13:04	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/05/25 09:07	06/05/25 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	06/05/25 09:07	06/05/25 13:04	1
1,4-Difluorobenzene (Surr)	80		70 - 130	06/05/25 09:07	06/05/25 13:04	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 880-58981-1  
 SDG: Lea County, NM

**Client Sample ID: S-2 (1.5')**

**Lab Sample ID: 880-58981-6**

Date Collected: 06/03/25 00:00

Matrix: Solid

Date Received: 06/05/25 08:31

**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			06/05/25 13:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/06/25 00:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/05/25 09:02	06/06/25 00:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/05/25 09:02	06/06/25 00:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/05/25 09:02	06/06/25 00:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130	06/05/25 09:02	06/06/25 00:25	1
o-Terphenyl (Surr)	95		70 - 130	06/05/25 09:02	06/06/25 00:25	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	218		9.98		mg/Kg			06/05/25 17:25	1

**Client Sample ID: S-2 (2.0')**

**Lab Sample ID: 880-58981-7**

Date Collected: 06/03/25 00:00

Matrix: Solid

Date Received: 06/05/25 08:31

**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		06/05/25 09:07	06/05/25 13:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/05/25 09:07	06/05/25 13:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/05/25 09:07	06/05/25 13:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/05/25 09:07	06/05/25 13:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/05/25 09:07	06/05/25 13:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/05/25 09:07	06/05/25 13:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	06/05/25 09:07	06/05/25 13:25	1
1,4-Difluorobenzene (Surr)	75		70 - 130	06/05/25 09:07	06/05/25 13:25	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			06/05/25 13:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/06/25 00:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/05/25 09:02	06/06/25 00:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/05/25 09:02	06/06/25 00:43	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 880-58981-1  
 SDG: Lea County, NM

**Client Sample ID: S-2 (2.0')**

**Lab Sample ID: 880-58981-7**

Date Collected: 06/03/25 00:00

Matrix: Solid

Date Received: 06/05/25 08:31

**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		06/05/25 09:02	06/06/25 00:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130				06/05/25 09:02	06/06/25 00:43	1
o-Terphenyl (Surr)	96		70 - 130				06/05/25 09:02	06/06/25 00:43	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	149		9.90		mg/Kg			06/05/25 17:32	1

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

## Surrogate Summary

Client: Carmona Resources  
Project/Site: Redhills Unit 81H

Job ID: 880-58981-1  
SDG: Lea County, NM

## 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)
880-58981-1	S-1 (0-1.0')	89	93
880-58981-1 MS	S-1 (0-1.0')	121	87
880-58981-1 MSD	S-1 (0-1.0')	97	104
880-58981-2	S-1 (1.5')	95	79
880-58981-3	S-1 (2.0')	122	103
880-58981-4	S-1 (3.0')	90	96
880-58981-5	S-2 (0-1.0')	90	88
880-58981-6	S-2 (1.5')	93	80
880-58981-7	S-2 (2.0')	93	75
LCS 880-111560/1-A	Lab Control Sample	94	99
LCSD 880-111560/2-A	Lab Control Sample Dup	110	104
MB 880-111560/5-A	Method Blank	88	96

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-58981-1	S-1 (0-1.0')	95	89
880-58981-2	S-1 (1.5')	99	94
880-58981-3	S-1 (2.0')	92	89
880-58981-4	S-1 (3.0')	98	94
880-58981-5	S-2 (0-1.0')	94	93
880-58981-6	S-2 (1.5')	97	95
880-58981-7	S-2 (2.0')	98	96
890-8269-A-2-B MS	Matrix Spike	90	96
890-8269-A-2-C MSD	Matrix Spike Duplicate	91	97
LCS 880-111558/2-A	Lab Control Sample	97	107
LCSD 880-111558/3-A	Lab Control Sample Dup	122	132 S1+
MB 880-111558/1-A	Method Blank	77	78

**Surrogate Legend**

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 880-58981-1  
 SDG: Lea County, NM

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

Lab Sample ID: MB 880-111560/5-A  
 Matrix: Solid  
 Analysis Batch: 111550

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 111560

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/05/25 09:07	06/05/25 11:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/05/25 09:07	06/05/25 11:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/05/25 09:07	06/05/25 11:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/05/25 09:07	06/05/25 11:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/05/25 09:07	06/05/25 11:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/05/25 09:07	06/05/25 11:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	06/05/25 09:07	06/05/25 11:00	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/05/25 09:07	06/05/25 11:00	1

Lab Sample ID: LCS 880-111560/1-A  
 Matrix: Solid  
 Analysis Batch: 111550

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 111560

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09696		mg/Kg		97	70 - 130
Toluene	0.100	0.08616		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.08768		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1689		mg/Kg		84	70 - 130
o-Xylene	0.100	0.08150		mg/Kg		81	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-111560/2-A  
 Matrix: Solid  
 Analysis Batch: 111550

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 111560

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1042		mg/Kg		104	70 - 130	7	35
Toluene	0.100	0.09497		mg/Kg		95	70 - 130	10	35
Ethylbenzene	0.100	0.1094		mg/Kg		109	70 - 130	22	35
m-Xylene & p-Xylene	0.200	0.2107		mg/Kg		105	70 - 130	22	35
o-Xylene	0.100	0.1014		mg/Kg		101	70 - 130	22	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-58981-1 MS  
 Matrix: Solid  
 Analysis Batch: 111550

Client Sample ID: S-1 (0-1.0')  
 Prep Type: Total/NA  
 Prep Batch: 111560

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1000		mg/Kg		100	70 - 130
Toluene	<0.00200	U	0.100	0.1011		mg/Kg		101	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 880-58981-1  
 SDG: Lea County, NM

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

Lab Sample ID: 880-58981-1 MS  
 Matrix: Solid  
 Analysis Batch: 111550

Client Sample ID: S-1 (0-1.0')  
 Prep Type: Total/NA  
 Prep Batch: 111560

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00200	U	0.100	0.1218		mg/Kg		122	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2287		mg/Kg		114	70 - 130
o-Xylene	<0.00200	U	0.100	0.1114		mg/Kg		111	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 880-58981-1 MSD  
 Matrix: Solid  
 Analysis Batch: 111550

Client Sample ID: S-1 (0-1.0')  
 Prep Type: Total/NA  
 Prep Batch: 111560

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD	Limit
	Result	Qualifier		Result	Qualifier							
Benzene	<0.00200	U	0.100	0.1019		mg/Kg		102	70 - 130	2		35
Toluene	<0.00200	U	0.100	0.08989		mg/Kg		90	70 - 130	12		35
Ethylbenzene	<0.00200	U	0.100	0.08898		mg/Kg		89	70 - 130	31		35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1721		mg/Kg		86	70 - 130	28		35
o-Xylene	<0.00200	U	0.100	0.08277		mg/Kg		83	70 - 130	30		35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

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

Lab Sample ID: MB 880-111558/1-A  
 Matrix: Solid  
 Analysis Batch: 111564

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 111558

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		06/05/25 09:01	06/05/25 18:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/05/25 09:01	06/05/25 18:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/05/25 09:01	06/05/25 18:00	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	77		70 - 130	06/05/25 09:01	06/05/25 18:00	1
o-Terphenyl (Surr)	78		70 - 130	06/05/25 09:01	06/05/25 18:00	1

Lab Sample ID: LCS 880-111558/2-A  
 Matrix: Solid  
 Analysis Batch: 111564

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 111558

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	928.4		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1063		mg/Kg		106	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 880-58981-1  
 SDG: Lea County, NM

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

**Lab Sample ID: LCS 880-111558/2-A**  
**Matrix: Solid**  
**Analysis Batch: 111564**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 111558**

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	97		70 - 130
o-Terphenyl (Surr)	107		70 - 130

**Lab Sample ID: LCSD 880-111558/3-A**  
**Matrix: Solid**  
**Analysis Batch: 111564**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 111558**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	1086		mg/Kg		109	70 - 130	16		20
Diesel Range Organics (Over C10-C28)	1000	1263		mg/Kg		126	70 - 130	17		20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	122		70 - 130
o-Terphenyl (Surr)	132	S1+	70 - 130

**Lab Sample ID: 890-8269-A-2-B MS**  
**Matrix: Solid**  
**Analysis Batch: 111564**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 111558**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	999	741.3		mg/Kg		74	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.1	U	999	861.2		mg/Kg		86	70 - 130	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	90		70 - 130
o-Terphenyl (Surr)	96		70 - 130

**Lab Sample ID: 890-8269-A-2-C MSD**  
**Matrix: Solid**  
**Analysis Batch: 111564**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 111558**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	999	746.2		mg/Kg		75	70 - 130	1		20
Diesel Range Organics (Over C10-C28)	<50.1	U	999	861.8		mg/Kg		86	70 - 130	0		20

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	91		70 - 130
o-Terphenyl (Surr)	97		70 - 130

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 880-58981-1  
 SDG: Lea County, NM

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-111559/1-A  
 Matrix: Solid  
 Analysis Batch: 111567

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			06/05/25 14:35	1

Lab Sample ID: LCS 880-111559/2-A  
 Matrix: Solid  
 Analysis Batch: 111567

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	250.0		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-111559/3-A  
 Matrix: Solid  
 Analysis Batch: 111567

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	250.5		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-58981-3 MS  
 Matrix: Solid  
 Analysis Batch: 111567

Client Sample ID: S-1 (2.0')  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	92.6	F1	250	369.5	F1	mg/Kg		111	90 - 110

Lab Sample ID: 880-58981-3 MSD  
 Matrix: Solid  
 Analysis Batch: 111567

Client Sample ID: S-1 (2.0')  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	92.6	F1	250	369.4	F1	mg/Kg		111	90 - 110	0	20

## QC Association Summary

Client: Carmona Resources  
Project/Site: Redhills Unit 81HJob ID: 880-58981-1  
SDG: Lea County, NM

## GC VOA

## Analysis Batch: 111550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58981-1	S-1 (0-1.0')	Total/NA	Solid	8021B	111560
880-58981-2	S-1 (1.5')	Total/NA	Solid	8021B	111560
880-58981-3	S-1 (2.0')	Total/NA	Solid	8021B	111560
880-58981-4	S-1 (3.0')	Total/NA	Solid	8021B	111560
880-58981-5	S-2 (0-1.0')	Total/NA	Solid	8021B	111560
880-58981-6	S-2 (1.5')	Total/NA	Solid	8021B	111560
880-58981-7	S-2 (2.0')	Total/NA	Solid	8021B	111560
MB 880-111560/5-A	Method Blank	Total/NA	Solid	8021B	111560
LCS 880-111560/1-A	Lab Control Sample	Total/NA	Solid	8021B	111560
LCS 880-111560/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	111560
880-58981-1 MS	S-1 (0-1.0')	Total/NA	Solid	8021B	111560
880-58981-1 MSD	S-1 (0-1.0')	Total/NA	Solid	8021B	111560

## Prep Batch: 111560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58981-1	S-1 (0-1.0')	Total/NA	Solid	5035	
880-58981-2	S-1 (1.5')	Total/NA	Solid	5035	
880-58981-3	S-1 (2.0')	Total/NA	Solid	5035	
880-58981-4	S-1 (3.0')	Total/NA	Solid	5035	
880-58981-5	S-2 (0-1.0')	Total/NA	Solid	5035	
880-58981-6	S-2 (1.5')	Total/NA	Solid	5035	
880-58981-7	S-2 (2.0')	Total/NA	Solid	5035	
MB 880-111560/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-111560/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 880-111560/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-58981-1 MS	S-1 (0-1.0')	Total/NA	Solid	5035	
880-58981-1 MSD	S-1 (0-1.0')	Total/NA	Solid	5035	

## Analysis Batch: 111648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58981-1	S-1 (0-1.0')	Total/NA	Solid	Total BTEX	
880-58981-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-58981-3	S-1 (2.0')	Total/NA	Solid	Total BTEX	
880-58981-4	S-1 (3.0')	Total/NA	Solid	Total BTEX	
880-58981-5	S-2 (0-1.0')	Total/NA	Solid	Total BTEX	
880-58981-6	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-58981-7	S-2 (2.0')	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 111558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58981-1	S-1 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-58981-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-58981-3	S-1 (2.0')	Total/NA	Solid	8015NM Prep	
880-58981-4	S-1 (3.0')	Total/NA	Solid	8015NM Prep	
880-58981-5	S-2 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-58981-6	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-58981-7	S-2 (2.0')	Total/NA	Solid	8015NM Prep	
MB 880-111558/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111558/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

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### QC Association Summary

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 880-58981-1  
 SDG: Lea County, NM

#### GC Semi VOA (Continued)

##### Prep Batch: 111558 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-111558/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8269-A-2-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8269-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

##### Analysis Batch: 111564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58981-1	S-1 (0-1.0')	Total/NA	Solid	8015B NM	111558
880-58981-2	S-1 (1.5')	Total/NA	Solid	8015B NM	111558
880-58981-3	S-1 (2.0')	Total/NA	Solid	8015B NM	111558
880-58981-4	S-1 (3.0')	Total/NA	Solid	8015B NM	111558
880-58981-5	S-2 (0-1.0')	Total/NA	Solid	8015B NM	111558
880-58981-6	S-2 (1.5')	Total/NA	Solid	8015B NM	111558
880-58981-7	S-2 (2.0')	Total/NA	Solid	8015B NM	111558
MB 880-111558/1-A	Method Blank	Total/NA	Solid	8015B NM	111558
LCS 880-111558/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111558
LCSD 880-111558/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111558
890-8269-A-2-B MS	Matrix Spike	Total/NA	Solid	8015B NM	111558
890-8269-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	111558

##### Analysis Batch: 111697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58981-1	S-1 (0-1.0')	Total/NA	Solid	8015 NM	
880-58981-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-58981-3	S-1 (2.0')	Total/NA	Solid	8015 NM	
880-58981-4	S-1 (3.0')	Total/NA	Solid	8015 NM	
880-58981-5	S-2 (0-1.0')	Total/NA	Solid	8015 NM	
880-58981-6	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-58981-7	S-2 (2.0')	Total/NA	Solid	8015 NM	

#### HPLC/IC

##### Leach Batch: 111559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58981-1	S-1 (0-1.0')	Soluble	Solid	DI Leach	
880-58981-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-58981-3	S-1 (2.0')	Soluble	Solid	DI Leach	
880-58981-4	S-1 (3.0')	Soluble	Solid	DI Leach	
880-58981-5	S-2 (0-1.0')	Soluble	Solid	DI Leach	
880-58981-6	S-2 (1.5')	Soluble	Solid	DI Leach	
880-58981-7	S-2 (2.0')	Soluble	Solid	DI Leach	
MB 880-111559/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-111559/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-111559/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-58981-3 MS	S-1 (2.0')	Soluble	Solid	DI Leach	
880-58981-3 MSD	S-1 (2.0')	Soluble	Solid	DI Leach	

##### Analysis Batch: 111567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58981-1	S-1 (0-1.0')	Soluble	Solid	300.0	111559
880-58981-2	S-1 (1.5')	Soluble	Solid	300.0	111559
880-58981-3	S-1 (2.0')	Soluble	Solid	300.0	111559

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### QC Association Summary

Client: Carmona Resources  
Project/Site: Redhills Unit 81H

Job ID: 880-58981-1  
SDG: Lea County, NM

#### HPLC/IC (Continued)

#### Analysis Batch: 111567 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58981-4	S-1 (3.0')	Soluble	Solid	300.0	111559
880-58981-5	S-2 (0-1.0')	Soluble	Solid	300.0	111559
880-58981-6	S-2 (1.5')	Soluble	Solid	300.0	111559
880-58981-7	S-2 (2.0')	Soluble	Solid	300.0	111559
MB 880-111559/1-A	Method Blank	Soluble	Solid	300.0	111559
LCS 880-111559/2-A	Lab Control Sample	Soluble	Solid	300.0	111559
LCSD 880-111559/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	111559
880-58981-3 MS	S-1 (2.0')	Soluble	Solid	300.0	111559
880-58981-3 MSD	S-1 (2.0')	Soluble	Solid	300.0	111559

- 1
- 2
- 3
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- 10
- 11
- 12
- 13
- 14

### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 880-58981-1  
 SDG: Lea County, NM

**Client Sample ID: S-1 (0-1.0')**

**Lab Sample ID: 880-58981-1**

Date Collected: 06/03/25 00:00

Matrix: Solid

Date Received: 06/05/25 08:31

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	111560	06/05/25 09:07	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111550	06/05/25 11:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111648	06/05/25 11:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111697	06/05/25 23:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111558	06/05/25 09:02	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111564	06/05/25 23:05	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	111559	06/05/25 09:04	SI	EET MID
Soluble	Analysis	300.0		1			111567	06/05/25 16:21	CH	EET MID

**Client Sample ID: S-1 (1.5')**

**Lab Sample ID: 880-58981-2**

Date Collected: 06/03/25 00:00

Matrix: Solid

Date Received: 06/05/25 08:31

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	111560	06/05/25 09:07	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111550	06/05/25 11:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111648	06/05/25 11:42	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111697	06/05/25 23:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	111558	06/05/25 09:02	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111564	06/05/25 23:21	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	111559	06/05/25 09:04	SI	EET MID
Soluble	Analysis	300.0		1			111567	06/05/25 16:28	CH	EET MID

**Client Sample ID: S-1 (2.0')**

**Lab Sample ID: 880-58981-3**

Date Collected: 06/03/25 00:00

Matrix: Solid

Date Received: 06/05/25 08:31

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	111560	06/05/25 09:07	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111550	06/05/25 12:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111648	06/05/25 12:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111697	06/05/25 23:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	111558	06/05/25 09:02	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111564	06/05/25 23:37	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	111559	06/05/25 09:04	SI	EET MID
Soluble	Analysis	300.0		1			111567	06/05/25 16:35	CH	EET MID

**Client Sample ID: S-1 (3.0')**

**Lab Sample ID: 880-58981-4**

Date Collected: 06/03/25 00:00

Matrix: Solid

Date Received: 06/05/25 08:31

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	111560	06/05/25 09:07	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111550	06/05/25 12:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111648	06/05/25 12:23	AJ	EET MID

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### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 880-58981-1  
 SDG: Lea County, NM

**Client Sample ID: S-1 (3.0')**

**Lab Sample ID: 880-58981-4**

Date Collected: 06/03/25 00:00

Matrix: Solid

Date Received: 06/05/25 08:31

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			111697	06/05/25 23:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	111558	06/05/25 09:02	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111564	06/05/25 23:53	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	111559	06/05/25 09:04	SI	EET MID
Soluble	Analysis	300.0		1			111567	06/05/25 16:57	CH	EET MID

**Client Sample ID: S-2 (0-1.0')**

**Lab Sample ID: 880-58981-5**

Date Collected: 06/03/25 00:00

Matrix: Solid

Date Received: 06/05/25 08:31

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	111560	06/05/25 09:07	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111550	06/05/25 12:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111648	06/05/25 12:44	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111697	06/06/25 00:10	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	111558	06/05/25 09:02	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111564	06/06/25 00:10	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	111559	06/05/25 09:04	SI	EET MID
Soluble	Analysis	300.0		1			111567	06/05/25 17:04	CH	EET MID

**Client Sample ID: S-2 (1.5')**

**Lab Sample ID: 880-58981-6**

Date Collected: 06/03/25 00:00

Matrix: Solid

Date Received: 06/05/25 08:31

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	111560	06/05/25 09:07	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111550	06/05/25 13:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111648	06/05/25 13:04	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111697	06/06/25 00:25	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111558	06/05/25 09:02	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111564	06/06/25 00:25	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	111559	06/05/25 09:04	SI	EET MID
Soluble	Analysis	300.0		1			111567	06/05/25 17:25	CH	EET MID

**Client Sample ID: S-2 (2.0')**

**Lab Sample ID: 880-58981-7**

Date Collected: 06/03/25 00:00

Matrix: Solid

Date Received: 06/05/25 08:31

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	111560	06/05/25 09:07	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111550	06/05/25 13:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111648	06/05/25 13:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111697	06/06/25 00:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	111558	06/05/25 09:02	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111564	06/06/25 00:43	TKC	EET MID

Eurofins Midland

### Lab Chronicle

Client: Carmona Resources  
Project/Site: Redhills Unit 81H

Job ID: 880-58981-1  
SDG: Lea County, NM

**Client Sample ID: S-2 (2.0')**

**Lab Sample ID: 880-58981-7**

**Date Collected: 06/03/25 00:00**

**Matrix: Solid**

**Date Received: 06/05/25 08:31**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	111559	06/05/25 09:04	SI	EET MID
Soluble	Analysis	300.0		1			111567	06/05/25 17:32	CH	EET MID

**Laboratory References:**

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

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- 2
- 3
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- 5
- 6
- 7
- 8
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- 11
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- 13
- 14

### Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: Redhills Unit 81H

Job ID: 880-58981-1  
SDG: Lea County, NM

#### Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

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

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

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- 2
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### Method Summary

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 880-58981-1  
 SDG: Lea County, NM

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

**Protocol References:**

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

**Laboratory References:**

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



### Sample Summary

Client: Carmona Resources  
Project/Site: Redhills Unit 81H

Job ID: 880-58981-1  
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-58981-1	S-1 (0-1.0')	Solid	06/03/25 00:00	06/05/25 08:31
880-58981-2	S-1 (1.5')	Solid	06/03/25 00:00	06/05/25 08:31
880-58981-3	S-1 (2.0')	Solid	06/03/25 00:00	06/05/25 08:31
880-58981-4	S-1 (3.0')	Solid	06/03/25 00:00	06/05/25 08:31
880-58981-5	S-2 (0-1.0')	Solid	06/03/25 00:00	06/05/25 08:31
880-58981-6	S-2 (1.5')	Solid	06/03/25 00:00	06/05/25 08:31
880-58981-7	S-2 (2.0')	Solid	06/03/25 00:00	06/05/25 08:31

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# Chain of Custody



880-58981 Chain of Custody

UST/PST  PRP  Brownfields  RRC  Superfund   
 State of Project:  Level II  Level III  PST/UST  PRRP  Level IV   
 Reporting Level:  EDD  ADaPT  Other:

**Project Manager:** Ashton Thielke  
**Company Name:** Carmona Resources  
**Address:** 310 West Wall Ste. 500  
 Midland, TX 79701  
**Phone:** 432-813-8988  
**Email:** laci.luig@coterra.com & Ashton.Thielke@coterra.com

**Bill to:** (if different)  
**Company Name:** Laci Luig  
**Address:** Cimarex Energy  
 600 N Marientfield St, Suite 600  
 Midland, TX 79701

**Project Name:** Redhills Unit 81H  
**Project Number:** 2739  
**Project Location:** Lea County, NM  
**Sampler's Name:** GP/JJDC  
**PO #:**

**Turn Around:**  Routine  Rush  
**Due Date:** 72 hr.

**Temp Blank:** Yes ( ) No ( )  
**Temp Blank:** Yes ( ) No ( )  
**Thermometer ID:** TKS  
**Correction Factor:** 5.1  
**Temperature Reading:** 5.0  
**Corrected Temperature:**

**Parameters:**

Sample Identification	Date	Time	Soil	Depth	Grab/Comp	# of Cont
S-1 (0-1.0')	6/3/2025		X		G	1
S-1 (1.5')	6/3/2025		X		G	1
S-1 (2.0')	6/3/2025		X		G	1
S-1 (3.0')	6/3/2025		X		G	1
S-2 (0-1.0')	6/3/2025		X		G	1
S-2 (1.5')	6/3/2025		X		G	1
S-2 (2.0')	6/3/2025		X		G	1

**ANALYSIS REQUEST**

Analysis Request	Pres. Code	Parameters	# of Cont
TPH 8015M (GRO + DRO + MRO)			
Chloride 300.0			
BTEX 8021B			

**Preservative Codes**

None: NO  
 DI Water: H<sub>2</sub>O  
 Cool: Cool  
 MeOH: Me  
 HCL: HC  
 HNO<sub>3</sub>: HN  
 H<sub>2</sub>SO<sub>4</sub>: H<sub>2</sub>  
 NaOH: Na  
 H<sub>3</sub>PO<sub>4</sub>: HP  
 NaHSO<sub>4</sub>: NABIS  
 Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>: NaSO<sub>3</sub>  
 Zn Acetate+NaOH: Zn  
 NaOH+Ascorbic Acid: SAPC

**Sample Comments**

HOLD

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		6/5/25 8:31			

### Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-58981-1  
SDG Number: Lea County, NM

Login Number: 58981

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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- 2
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- 14



Environment Testing

- 1
- 2
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- 14

# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 1/5/2026 10:18:03 PM

## JOB DESCRIPTION

Redhills Unit 81H  
 2739

## JOB NUMBER

890-9282-1

Eurofins Carlsbad  
 1089 N Canal St.  
 Carlsbad NM 88220



# Eurofins Carlsbad

## Job Notes

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

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

## Authorization



Generated  
1/5/2026 10:18:03 PM

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

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

Client: Carmona Resources  
Project/Site: Redhills Unit 81H

Laboratory Job ID: 890-9282-1  
SDG: 2739

# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	7
Surrogate Summary . . . . .	15
QC Sample Results . . . . .	17
QC Association Summary . . . . .	26
Lab Chronicle . . . . .	30
Certification Summary . . . . .	34
Method Summary . . . . .	35
Sample Summary . . . . .	36
Chain of Custody . . . . .	37
Receipt Checklists . . . . .	38

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

## Definitions/Glossary

Client: Carmona Resources  
Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
SDG: 2739

## Qualifiers

## GC VOA

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

## GC Semi VOA

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

## HPLC/IC

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

## Glossary

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

## Case Narrative

Client: Carmona Resources  
Project: Redhills Unit 81H

Job ID: 890-9282-1

**Job ID: 890-9282-1**

**Eurofins Carlsbad**

### Job Narrative 890-9282-1

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 12/23/2025 3:56 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 3.8°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (0-.25') (890-9282-1), CS-2 (0-.25') (890-9282-2), CS-3 (0-.25') (890-9282-3), CS-4 (0-.25') (890-9282-4), CS-5 (0-.25') (890-9282-5), CS-6 (0-.25') (890-9282-6), CS-7 (0-.25') (890-9282-7), CS-8 (0-.25') (890-9282-8), CS-9 (0-.25') (890-9282-9) and CS-10 (0-.25') (890-9282-10).

#### GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-5 (0-.25') (890-9282-5), CS-6 (0-.25') (890-9282-6) and CS-7 (0-.25') (890-9282-7). Evidence of matrix interferences is not obvious.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-128106 and analytical batch 880-128062 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCSD 880-128106/2-A), (890-9282-A-5-D MS) and (890-9282-A-5-E MSD). Evidence of matrix interferences is not obvious.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-128064 and analytical batch 880-128062 was outside the upper control limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-128096 and analytical batch 880-128156 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-128156 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-128156/20).

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

#### Diesel Range Organics

Method 8015MOD\_NM: The continuing calibration verification (CCV) associated with batch 880-128146 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (890-9280-A-2-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-127701/1-A). Evidence of matrix interferences is not obvious.

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## Case Narrative

Client: Carmona Resources  
Project: Redhills Unit 81H

Job ID: 890-9282-1

### Job ID: 890-9282-1 (Continued)

**Eurofins Carlsbad**

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (890-9282-A-6-B MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-127703 and analytical batch 880-128146 was outside the upper control limits.

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

#### HPLC/IC

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

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

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
 SDG: 2739

**Client Sample ID: CS-1 (0-.25')**

**Lab Sample ID: 890-9282-1**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

**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		12/29/25 08:43	12/31/25 16:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/25 08:43	12/31/25 16:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/25 08:43	12/31/25 16:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/29/25 08:43	12/31/25 16:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/25 08:43	12/31/25 16:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/29/25 08:43	12/31/25 16:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	12/29/25 08:43	12/31/25 16:27	1
1,4-Difluorobenzene (Surr)	91		70 - 130	12/29/25 08:43	12/31/25 16:27	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/31/25 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/05/26 07:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/26/25 10:24	01/05/26 07:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/26/25 10:24	01/05/26 07:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/26/25 10:24	01/05/26 07:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130	12/26/25 10:24	01/05/26 07:25	1
o-Terphenyl (Surr)	99		70 - 130	12/26/25 10:24	01/05/26 07:25	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.7		10.0		mg/Kg			12/29/25 15:55	1

**Client Sample ID: CS-2 (0-.25')**

**Lab Sample ID: 890-9282-2**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

**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		12/29/25 08:43	12/31/25 16:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/29/25 08:43	12/31/25 16:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/29/25 08:43	12/31/25 16:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/29/25 08:43	12/31/25 16:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/29/25 08:43	12/31/25 16:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/29/25 08:43	12/31/25 16:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	12/29/25 08:43	12/31/25 16:48	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/29/25 08:43	12/31/25 16:48	1

Eurofins Carlsbad

### Client Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
 SDG: 2739

**Client Sample ID: CS-2 (0-.25')**

**Lab Sample ID: 890-9282-2**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/31/25 16:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/05/26 07:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/26/25 10:24	01/05/26 07:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/26/25 10:24	01/05/26 07:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/26/25 10:24	01/05/26 07:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130	12/26/25 10:24	01/05/26 07:40	1
o-Terphenyl (Surr)	104		70 - 130	12/26/25 10:24	01/05/26 07:40	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.7		9.98		mg/Kg			12/29/25 16:00	1

**Client Sample ID: CS-3 (0-.25')**

**Lab Sample ID: 890-9282-3**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

**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		12/29/25 08:43	12/31/25 17:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/29/25 08:43	12/31/25 17:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/29/25 08:43	12/31/25 17:08	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/29/25 08:43	12/31/25 17:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/29/25 08:43	12/31/25 17:08	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/29/25 08:43	12/31/25 17:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/29/25 08:43	12/31/25 17:08	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/29/25 08:43	12/31/25 17:08	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/31/25 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/05/26 07:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/26/25 10:24	01/05/26 07:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/26/25 10:24	01/05/26 07:55	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
 SDG: 2739

**Client Sample ID: CS-3 (0-.25')**

**Lab Sample ID: 890-9282-3**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/26/25 10:24	01/05/26 07:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130				12/26/25 10:24	01/05/26 07:55	1
o-Terphenyl (Surr)	104		70 - 130				12/26/25 10:24	01/05/26 07:55	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.9		9.92		mg/Kg			12/29/25 16:05	1

**Client Sample ID: CS-4 (0-.25')**

**Lab Sample ID: 890-9282-4**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

**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		12/29/25 08:43	12/31/25 17:29	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/29/25 08:43	12/31/25 17:29	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/29/25 08:43	12/31/25 17:29	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/29/25 08:43	12/31/25 17:29	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/29/25 08:43	12/31/25 17:29	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/29/25 08:43	12/31/25 17:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				12/29/25 08:43	12/31/25 17:29	1
1,4-Difluorobenzene (Surr)	83		70 - 130				12/29/25 08:43	12/31/25 17:29	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/31/25 17:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/05/26 08:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/26/25 10:24	01/05/26 08:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/26/25 10:24	01/05/26 08:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/26/25 10:24	01/05/26 08:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130				12/26/25 10:24	01/05/26 08:09	1
o-Terphenyl (Surr)	102		70 - 130				12/26/25 10:24	01/05/26 08:09	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.4		10.0		mg/Kg			12/29/25 16:20	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
 SDG: 2739

**Client Sample ID: CS-5 (0-.25')**

**Lab Sample ID: 890-9282-5**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/02/26 15:06	01/03/26 00:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/02/26 15:06	01/03/26 00:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/02/26 15:06	01/03/26 00:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/02/26 15:06	01/03/26 00:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/02/26 15:06	01/03/26 00:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/02/26 15:06	01/03/26 00:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130	01/02/26 15:06	01/03/26 00:07	1
1,4-Difluorobenzene (Surr)	102		70 - 130	01/02/26 15:06	01/03/26 00:07	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/03/26 00:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			01/05/26 08:24	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	<50.1	U	50.1		mg/Kg		12/26/25 10:24	01/05/26 08:24	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/26/25 10:24	01/05/26 08:24	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/26/25 10:24	01/05/26 08:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130	12/26/25 10:24	01/05/26 08:24	1
o-Terphenyl (Surr)	96		70 - 130	12/26/25 10:24	01/05/26 08:24	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.9		10.0		mg/Kg			12/29/25 16:25	1

**Client Sample ID: CS-6 (0-.25')**

**Lab Sample ID: 890-9282-6**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/02/26 15:06	01/03/26 00:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/02/26 15:06	01/03/26 00:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/02/26 15:06	01/03/26 00:28	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		01/02/26 15:06	01/03/26 00:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/02/26 15:06	01/03/26 00:28	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/02/26 15:06	01/03/26 00:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	01/02/26 15:06	01/03/26 00:28	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130	01/02/26 15:06	01/03/26 00:28	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
 SDG: 2739

**Client Sample ID: CS-6 (0-.25')**

**Lab Sample ID: 890-9282-6**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			01/03/26 00:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/04/26 19:36	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		12/26/25 10:28	01/04/26 19:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/26/25 10:28	01/04/26 19:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/26/25 10:28	01/04/26 19:36	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	120		70 - 130				12/26/25 10:28	01/04/26 19:36	1
o-Terphenyl (Surr)	107		70 - 130				12/26/25 10:28	01/04/26 19:36	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.5		10.1		mg/Kg			12/29/25 16:30	1

**Client Sample ID: CS-7 (0-.25')**

**Lab Sample ID: 890-9282-7**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/02/26 15:06	01/03/26 00:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/02/26 15:06	01/03/26 00:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/02/26 15:06	01/03/26 00:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/02/26 15:06	01/03/26 00:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/02/26 15:06	01/03/26 00:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/02/26 15:06	01/03/26 00:48	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130				01/02/26 15:06	01/03/26 00:48	1
1,4-Difluorobenzene (Surr)	100		70 - 130				01/02/26 15:06	01/03/26 00:48	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/03/26 00:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/04/26 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/26/25 10:28	01/04/26 20:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/26/25 10:28	01/04/26 20:20	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
 SDG: 2739

**Client Sample ID: CS-7 (0-.25')**

**Lab Sample ID: 890-9282-7**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

**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		12/26/25 10:28	01/04/26 20:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130				12/26/25 10:28	01/04/26 20:20	1
o-Terphenyl (Surr)	100		70 - 130				12/26/25 10:28	01/04/26 20:20	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.8		10.1		mg/Kg			12/29/25 16:35	1

**Client Sample ID: CS-8 (0-.25')**

**Lab Sample ID: 890-9282-8**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/02/26 12:27	01/05/26 17:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/02/26 12:27	01/05/26 17:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/02/26 12:27	01/05/26 17:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/02/26 12:27	01/05/26 17:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/02/26 12:27	01/05/26 17:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/02/26 12:27	01/05/26 17:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				01/02/26 12:27	01/05/26 17:13	1
1,4-Difluorobenzene (Surr)	91		70 - 130				01/02/26 12:27	01/05/26 17:13	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/05/26 17:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/04/26 20:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/26/25 10:28	01/04/26 20:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/26/25 10:28	01/04/26 20:35	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/26/25 10:28	01/04/26 20:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130				12/26/25 10:28	01/04/26 20:35	1
o-Terphenyl (Surr)	101		70 - 130				12/26/25 10:28	01/04/26 20:35	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.3		10.1		mg/Kg			12/29/25 16:40	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
 SDG: 2739

**Client Sample ID: CS-9 (0-.25')**

**Lab Sample ID: 890-9282-9**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/02/26 12:27	01/05/26 17:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/02/26 12:27	01/05/26 17:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/02/26 12:27	01/05/26 17:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/02/26 12:27	01/05/26 17:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/02/26 12:27	01/05/26 17:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/02/26 12:27	01/05/26 17:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	01/02/26 12:27	01/05/26 17:34	1
1,4-Difluorobenzene (Surr)	101		70 - 130	01/02/26 12:27	01/05/26 17:34	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/05/26 17:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/04/26 20:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/26/25 10:28	01/04/26 20:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/26/25 10:28	01/04/26 20:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/26/25 10:28	01/04/26 20:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130	12/26/25 10:28	01/04/26 20:50	1
o-Terphenyl (Surr)	102		70 - 130	12/26/25 10:28	01/04/26 20:50	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.0		9.98		mg/Kg			12/29/25 16:45	1

**Client Sample ID: CS-10 (0-.25')**

**Lab Sample ID: 890-9282-10**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/02/26 12:27	01/05/26 17:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/02/26 12:27	01/05/26 17:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/02/26 12:27	01/05/26 17:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/02/26 12:27	01/05/26 17:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/02/26 12:27	01/05/26 17:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/02/26 12:27	01/05/26 17:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	01/02/26 12:27	01/05/26 17:54	1
1,4-Difluorobenzene (Surr)	85		70 - 130	01/02/26 12:27	01/05/26 17:54	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
 SDG: 2739

**Client Sample ID: CS-10 (0-.25')**

**Lab Sample ID: 890-9282-10**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/05/26 17:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/04/26 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/26/25 10:28	01/04/26 21:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/26/25 10:28	01/04/26 21:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/26/25 10:28	01/04/26 21:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130				12/26/25 10:28	01/04/26 21:04	1
o-Terphenyl (Surr)	95		70 - 130				12/26/25 10:28	01/04/26 21:04	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.7		10.0		mg/Kg			12/29/25 17:00	1

## Surrogate Summary

Client: Carmona Resources  
Project/Site: Redhills Unit 81HJob ID: 890-9282-1  
SDG: 2739

## 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)
890-9281-A-1-C MS	Matrix Spike	108	101
890-9281-A-1-D MSD	Matrix Spike Duplicate	110	95
890-9282-1	CS-1 (0-.25')	96	91
890-9282-2	CS-2 (0-.25')	97	96
890-9282-3	CS-3 (0-.25')	106	95
890-9282-4	CS-4 (0-.25')	90	83
890-9282-5	CS-5 (0-.25')	135 S1+	102
890-9282-5 MS	CS-5 (0-.25')	132 S1+	94
890-9282-5 MSD	CS-5 (0-.25')	131 S1+	98
890-9282-6	CS-6 (0-.25')	96	67 S1-
890-9282-7	CS-7 (0-.25')	143 S1+	100
890-9282-8	CS-8 (0-.25')	98	91
890-9282-9	CS-9 (0-.25')	100	101
890-9282-10	CS-10 (0-.25')	98	85
890-9300-A-1-E MS	Matrix Spike	91	86
890-9300-A-1-F MSD	Matrix Spike Duplicate	87	101
LCS 880-127803/1-A	Lab Control Sample	100	96
LCS 880-128096/1-A	Lab Control Sample	98	88
LCS 880-128106/1-A	Lab Control Sample	118	90
LCSD 880-127803/2-A	Lab Control Sample Dup	99	98
LCSD 880-128096/2-A	Lab Control Sample Dup	103	93
LCSD 880-128106/2-A	Lab Control Sample Dup	96	68 S1-
MB 880-127803/5-A	Method Blank	105	89
MB 880-128064/5-A	Method Blank	133 S1+	94
MB 880-128096/5-A	Method Blank	100	85
MB 880-128106/5-A	Method Blank	137 S1+	96

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-9280-A-2-B MS	Matrix Spike	108	111
890-9280-A-2-C MSD	Matrix Spike Duplicate	134 S1+	111
890-9282-1	CS-1 (0-.25')	105	99
890-9282-2	CS-2 (0-.25')	108	104
890-9282-3	CS-3 (0-.25')	104	104
890-9282-4	CS-4 (0-.25')	101	102
890-9282-5	CS-5 (0-.25')	100	96
890-9282-6	CS-6 (0-.25')	120	107
890-9282-6 MS	CS-6 (0-.25')	157 S1+	115
890-9282-6 MSD	CS-6 (0-.25')	110	102
890-9282-7	CS-7 (0-.25')	114	100
890-9282-8	CS-8 (0-.25')	115	101
890-9282-9	CS-9 (0-.25')	112	102

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### Surrogate Summary

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
 SDG: 2739

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-9282-10	CS-10 (0-.25')	102	95
LCS 880-127701/2-A	Lab Control Sample	120	122
LCS 880-127703/2-A	Lab Control Sample	127	115
LCSD 880-127701/3-A	Lab Control Sample Dup	121	123
LCSD 880-127703/3-A	Lab Control Sample Dup	126	117
MB 880-127701/1-A	Method Blank	181 S1+	352 S1+
MB 880-127703/1-A	Method Blank	428 S1+	492 S1+

**Surrogate Legend**

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

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

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
 SDG: 2739

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

Lab Sample ID: MB 880-127803/5-A  
 Matrix: Solid  
 Analysis Batch: 127954

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 127803

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/29/25 08:43	12/31/25 11:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/29/25 08:43	12/31/25 11:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/29/25 08:43	12/31/25 11:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/29/25 08:43	12/31/25 11:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/29/25 08:43	12/31/25 11:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/29/25 08:43	12/31/25 11:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/29/25 08:43	12/31/25 11:26	1
1,4-Difluorobenzene (Surr)	89		70 - 130	12/29/25 08:43	12/31/25 11:26	1

Lab Sample ID: LCS 880-127803/1-A  
 Matrix: Solid  
 Analysis Batch: 127954

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 127803

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1053		mg/Kg		105	70 - 130
Toluene	0.100	0.1112		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1129		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	0.200	0.2233		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1075		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-127803/2-A  
 Matrix: Solid  
 Analysis Batch: 127954

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 127803

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1120		mg/Kg		112	70 - 130	6	35
Toluene	0.100	0.1153		mg/Kg		115	70 - 130	4	35
Ethylbenzene	0.100	0.1208		mg/Kg		121	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2368		mg/Kg		118	70 - 130	6	35
o-Xylene	0.100	0.1142		mg/Kg		114	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-9281-A-1-C MS  
 Matrix: Solid  
 Analysis Batch: 127954

Client Sample ID: Matrix Spike  
 Prep Type: Total/NA  
 Prep Batch: 127803

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09928		mg/Kg		99	70 - 130
Toluene	<0.00200	U	0.100	0.1099		mg/Kg		110	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
 SDG: 2739

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

Lab Sample ID: 890-9281-A-1-C MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 127954

Prep Batch: 127803

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00200	U	0.100	0.1137		mg/Kg		114	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2169		mg/Kg		108	70 - 130
o-Xylene	<0.00200	U	0.100	0.1045		mg/Kg		105	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-9281-A-1-D MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 127954

Prep Batch: 127803

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U	0.100	0.1014		mg/Kg		101	70 - 130	2	35
Toluene	<0.00200	U	0.100	0.1117		mg/Kg		112	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.1201		mg/Kg		120	70 - 130	5	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2307		mg/Kg		115	70 - 130	6	35
o-Xylene	<0.00200	U	0.100	0.1108		mg/Kg		111	70 - 130	6	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: MB 880-128064/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 128062

Prep Batch: 128064

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		01/02/26 09:24	01/02/26 12:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/02/26 09:24	01/02/26 12:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/02/26 09:24	01/02/26 12:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/02/26 09:24	01/02/26 12:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/02/26 09:24	01/02/26 12:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/02/26 09:24	01/02/26 12:49	1

Surrogate	MB	MB	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Prepared	Analyzed	Dil Fac
01/02/26 09:24	01/02/26 12:49	1
01/02/26 09:24	01/02/26 12:49	1

Lab Sample ID: MB 880-128096/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 128156

Prep Batch: 128096

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		01/02/26 12:27	01/05/26 12:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/02/26 12:27	01/05/26 12:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/02/26 12:27	01/05/26 12:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/02/26 12:27	01/05/26 12:13	1

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
 SDG: 2739

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

Lab Sample ID: MB 880-128096/5-A  
 Matrix: Solid  
 Analysis Batch: 128156

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 128096

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/02/26 12:27	01/05/26 12:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/02/26 12:27	01/05/26 12:13	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	100		70 - 130	01/02/26 12:27	01/05/26 12:13	1
1,4-Difluorobenzene (Surr)	85		70 - 130	01/02/26 12:27	01/05/26 12:13	1

Lab Sample ID: LCS 880-128096/1-A  
 Matrix: Solid  
 Analysis Batch: 128156

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 128096

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.1215		mg/Kg		121	70 - 130
Toluene	0.100	0.1091		mg/Kg		109	70 - 130
Ethylbenzene	0.100	0.1064		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.1917		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09321		mg/Kg		93	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: LCSD 880-128096/2-A  
 Matrix: Solid  
 Analysis Batch: 128156

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 128096

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
		Result	Qualifier						
Benzene	0.100	0.1084		mg/Kg		108	70 - 130	11	35
Toluene	0.100	0.1055		mg/Kg		106	70 - 130	3	35
Ethylbenzene	0.100	0.1095		mg/Kg		109	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2183		mg/Kg		109	70 - 130	13	35
o-Xylene	0.100	0.1052		mg/Kg		105	70 - 130	12	35

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

Lab Sample ID: 890-9300-A-1-E MS  
 Matrix: Solid  
 Analysis Batch: 128156

Client Sample ID: Matrix Spike  
 Prep Type: Total/NA  
 Prep Batch: 128096

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	<0.00200	U	0.100	0.07695		mg/Kg		77	70 - 130
Toluene	<0.00200	U F1 F2	0.100	0.06308	F1	mg/Kg		63	70 - 130
Ethylbenzene	<0.00200	U F1 F2	0.100	0.03515	F1	mg/Kg		35	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1497		mg/Kg		75	70 - 130
o-Xylene	<0.00200	U	0.100	0.07545		mg/Kg		75	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
 SDG: 2739

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

**Lab Sample ID: 890-9300-A-1-E MS**  
**Matrix: Solid**  
**Analysis Batch: 128156**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 128096**

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

**Lab Sample ID: 890-9300-A-1-F MSD**  
**Matrix: Solid**  
**Analysis Batch: 128156**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 128096**

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	0.09191		mg/Kg		92	70 - 130	18	35
Toluene	<0.00200	U F1 F2	0.100	0.09425	F2	mg/Kg		94	70 - 130	40	35
Ethylbenzene	<0.00200	U F1 F2	0.100	0.07627	F2	mg/Kg		76	70 - 130	74	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1766		mg/Kg		88	70 - 130	17	35
o-Xylene	<0.00200	U	0.100	0.08677		mg/Kg		87	70 - 130	14	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

**Lab Sample ID: MB 880-128106/5-A**  
**Matrix: Solid**  
**Analysis Batch: 128062**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 128106**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/02/26 15:06	01/02/26 23:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/02/26 15:06	01/02/26 23:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/02/26 15:06	01/02/26 23:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/02/26 15:06	01/02/26 23:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/02/26 15:06	01/02/26 23:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/02/26 15:06	01/02/26 23:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	01/02/26 15:06	01/02/26 23:46	1
1,4-Difluorobenzene (Surr)	96		70 - 130	01/02/26 15:06	01/02/26 23:46	1

**Lab Sample ID: LCS 880-128106/1-A**  
**Matrix: Solid**  
**Analysis Batch: 128062**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 128106**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1081		mg/Kg		108	70 - 130
Toluene	0.100	0.1120		mg/Kg		112	70 - 130
Ethylbenzene	0.100	0.1257		mg/Kg		126	70 - 130
m-Xylene & p-Xylene	0.200	0.2561		mg/Kg		128	70 - 130
o-Xylene	0.100	0.1282		mg/Kg		128	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
 SDG: 2739

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

**Lab Sample ID: LCS 880-128106/1-A**  
**Matrix: Solid**  
**Analysis Batch: 128062**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 128106**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,4-Difluorobenzene (Surr)	90		70 - 130

**Lab Sample ID: LCSD 880-128106/2-A**  
**Matrix: Solid**  
**Analysis Batch: 128062**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 128106**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08845		mg/Kg		88	70 - 130	20	35
Toluene	0.100	0.09039		mg/Kg		90	70 - 130	21	35
Ethylbenzene	0.100	0.1026		mg/Kg		103	70 - 130	20	35
m-Xylene & p-Xylene	0.200	0.2070		mg/Kg		104	70 - 130	21	35
o-Xylene	0.100	0.1032		mg/Kg		103	70 - 130	22	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130

**Lab Sample ID: 890-9282-5 MS**  
**Matrix: Solid**  
**Analysis Batch: 128062**

**Client Sample ID: CS-5 (0-.25')**  
**Prep Type: Total/NA**  
**Prep Batch: 128106**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09501		mg/Kg		95	70 - 130
Toluene	<0.00200	U	0.100	0.09453		mg/Kg		95	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1072		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2224		mg/Kg		111	70 - 130
o-Xylene	<0.00200	U	0.100	0.1113		mg/Kg		111	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

**Lab Sample ID: 890-9282-5 MSD**  
**Matrix: Solid**  
**Analysis Batch: 128062**

**Client Sample ID: CS-5 (0-.25')**  
**Prep Type: Total/NA**  
**Prep Batch: 128106**

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	0.1113		mg/Kg		111	70 - 130	16	35
Toluene	<0.00200	U	0.100	0.1090		mg/Kg		109	70 - 130	14	35
Ethylbenzene	<0.00200	U	0.100	0.1195		mg/Kg		120	70 - 130	11	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2430		mg/Kg		121	70 - 130	9	35
o-Xylene	<0.00200	U	0.100	0.1202		mg/Kg		120	70 - 130	8	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
 SDG: 2739

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

**Lab Sample ID: MB 880-127701/1-A**  
**Matrix: Solid**  
**Analysis Batch: 128146**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 127701**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/26/25 10:24	01/05/26 02:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/26/25 10:24	01/05/26 02:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/26/25 10:24	01/05/26 02:00	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	181	S1+	70 - 130	12/26/25 10:24	01/05/26 02:00	1
o-Terphenyl (Surr)	352	S1+	70 - 130	12/26/25 10:24	01/05/26 02:00	1

**Lab Sample ID: LCS 880-127701/2-A**  
**Matrix: Solid**  
**Analysis Batch: 128146**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 127701**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	961.8		mg/Kg		96	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	120		70 - 130
o-Terphenyl (Surr)	122		70 - 130

**Lab Sample ID: LCSD 880-127701/3-A**  
**Matrix: Solid**  
**Analysis Batch: 128146**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 127701**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	982.2		mg/Kg		98	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	968.3		mg/Kg		97	70 - 130	1	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	121		70 - 130
o-Terphenyl (Surr)	123		70 - 130

**Lab Sample ID: 890-9280-A-2-B MS**  
**Matrix: Solid**  
**Analysis Batch: 128146**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 127701**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	<49.9	U	997	913.4		mg/Kg		92	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
 SDG: 2739

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

**Lab Sample ID: 890-9280-A-2-B MS**  
**Matrix: Solid**  
**Analysis Batch: 128146**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 127701**

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	108		70 - 130
o-Terphenyl (Surr)	111		70 - 130

**Lab Sample ID: 890-9280-A-2-C MSD**  
**Matrix: Solid**  
**Analysis Batch: 128146**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 127701**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	912.0		mg/Kg		91	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	997	867.6		mg/Kg		87	70 - 130	5	20	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	134	S1+	70 - 130
o-Terphenyl (Surr)	111		70 - 130

**Lab Sample ID: MB 880-127703/1-A**  
**Matrix: Solid**  
**Analysis Batch: 128146**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 127703**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/26/25 10:27	01/04/26 17:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/26/25 10:27	01/04/26 17:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/26/25 10:27	01/04/26 17:52	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane (Surr)	428	S1+	70 - 130	12/26/25 10:27	01/04/26 17:52	1
o-Terphenyl (Surr)	492	S1+	70 - 130	12/26/25 10:27	01/04/26 17:52	1

**Lab Sample ID: LCS 880-127703/2-A**  
**Matrix: Solid**  
**Analysis Batch: 128146**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 127703**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec	
		Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	1000	1055		mg/Kg		106	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	955.0		mg/Kg		96	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	127		70 - 130
o-Terphenyl (Surr)	115		70 - 130

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
 SDG: 2739

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

Lab Sample ID: LCSD 880-127703/3-A  
 Matrix: Solid  
 Analysis Batch: 128146

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 127703

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	1043		mg/Kg		104	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	1000	964.7		mg/Kg		96	70 - 130	1	20	
		<b>LCSD</b>	<b>LCSD</b>							
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
1-Chlorooctane (Surr)	126		70 - 130							
o-Terphenyl (Surr)	117		70 - 130							

Lab Sample ID: 890-9282-6 MS  
 Matrix: Solid  
 Analysis Batch: 128146

Client Sample ID: CS-6 (0-.25')  
 Prep Type: Total/NA  
 Prep Batch: 127703

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1127		mg/Kg		113	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1003		mg/Kg		100	70 - 130	
		<b>MS</b>	<b>MS</b>							
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
1-Chlorooctane (Surr)	157	S1+	70 - 130							
o-Terphenyl (Surr)	115		70 - 130							

Lab Sample ID: 890-9282-6 MSD  
 Matrix: Solid  
 Analysis Batch: 128146

Client Sample ID: CS-6 (0-.25')  
 Prep Type: Total/NA  
 Prep Batch: 127703

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	950.7		mg/Kg		95	70 - 130	17	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	943.5		mg/Kg		94	70 - 130	6	20
		<b>MSD</b>	<b>MSD</b>								
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
1-Chlorooctane (Surr)	110		70 - 130								
o-Terphenyl (Surr)	102		70 - 130								

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-127754/1-A  
 Matrix: Solid  
 Analysis Batch: 127838

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			12/29/25 15:21	1

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
 SDG: 2739

**Method: 300.0 - Anions, Ion Chromatography (Continued)**

**Lab Sample ID: LCS 880-127754/2-A**  
**Matrix: Solid**  
**Analysis Batch: 127838**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	234.7		mg/Kg		94	90 - 110

**Lab Sample ID: LCSD 880-127754/3-A**  
**Matrix: Solid**  
**Analysis Batch: 127838**

**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	234.6		mg/Kg		94	90 - 110	0	20

**Lab Sample ID: 890-9282-9 MS**  
**Matrix: Solid**  
**Analysis Batch: 127838**

**Client Sample ID: CS-9 (0-.25')**  
**Prep Type: Soluble**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	47.0		250	298.5		mg/Kg		101	90 - 110

**Lab Sample ID: 890-9282-9 MSD**  
**Matrix: Solid**  
**Analysis Batch: 127838**

**Client Sample ID: CS-9 (0-.25')**  
**Prep Type: Soluble**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	47.0		250	302.4		mg/Kg		102	90 - 110	1	20

## QC Association Summary

Client: Carmona Resources  
Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
SDG: 2739

## GC VOA

## Prep Batch: 127803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9282-1	CS-1 (0-.25')	Total/NA	Solid	5035	
890-9282-2	CS-2 (0-.25')	Total/NA	Solid	5035	
890-9282-3	CS-3 (0-.25')	Total/NA	Solid	5035	
890-9282-4	CS-4 (0-.25')	Total/NA	Solid	5035	
MB 880-127803/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-127803/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-127803/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9281-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-9281-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 127954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9282-1	CS-1 (0-.25')	Total/NA	Solid	8021B	127803
890-9282-2	CS-2 (0-.25')	Total/NA	Solid	8021B	127803
890-9282-3	CS-3 (0-.25')	Total/NA	Solid	8021B	127803
890-9282-4	CS-4 (0-.25')	Total/NA	Solid	8021B	127803
MB 880-127803/5-A	Method Blank	Total/NA	Solid	8021B	127803
LCS 880-127803/1-A	Lab Control Sample	Total/NA	Solid	8021B	127803
LCSD 880-127803/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	127803
890-9281-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	127803
890-9281-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	127803

## Analysis Batch: 128062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9282-5	CS-5 (0-.25')	Total/NA	Solid	8021B	128106
890-9282-6	CS-6 (0-.25')	Total/NA	Solid	8021B	128106
890-9282-7	CS-7 (0-.25')	Total/NA	Solid	8021B	128106
MB 880-128064/5-A	Method Blank	Total/NA	Solid	8021B	128064
MB 880-128106/5-A	Method Blank	Total/NA	Solid	8021B	128106
LCS 880-128106/1-A	Lab Control Sample	Total/NA	Solid	8021B	128106
LCSD 880-128106/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	128106
890-9282-5 MS	CS-5 (0-.25')	Total/NA	Solid	8021B	128106
890-9282-5 MSD	CS-5 (0-.25')	Total/NA	Solid	8021B	128106

## Prep Batch: 128064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-128064/5-A	Method Blank	Total/NA	Solid	5035	

## Prep Batch: 128096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9282-8	CS-8 (0-.25')	Total/NA	Solid	5035	
890-9282-9	CS-9 (0-.25')	Total/NA	Solid	5035	
890-9282-10	CS-10 (0-.25')	Total/NA	Solid	5035	
MB 880-128096/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-128096/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-128096/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9300-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-9300-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Redhills Unit 81HJob ID: 890-9282-1  
SDG: 2739

## GC VOA

## Analysis Batch: 128105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9282-1	CS-1 (0-.25')	Total/NA	Solid	Total BTEX	
890-9282-2	CS-2 (0-.25')	Total/NA	Solid	Total BTEX	
890-9282-3	CS-3 (0-.25')	Total/NA	Solid	Total BTEX	
890-9282-4	CS-4 (0-.25')	Total/NA	Solid	Total BTEX	
890-9282-5	CS-5 (0-.25')	Total/NA	Solid	Total BTEX	
890-9282-6	CS-6 (0-.25')	Total/NA	Solid	Total BTEX	
890-9282-7	CS-7 (0-.25')	Total/NA	Solid	Total BTEX	
890-9282-8	CS-8 (0-.25')	Total/NA	Solid	Total BTEX	
890-9282-9	CS-9 (0-.25')	Total/NA	Solid	Total BTEX	
890-9282-10	CS-10 (0-.25')	Total/NA	Solid	Total BTEX	

## Prep Batch: 128106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9282-5	CS-5 (0-.25')	Total/NA	Solid	5035	
890-9282-6	CS-6 (0-.25')	Total/NA	Solid	5035	
890-9282-7	CS-7 (0-.25')	Total/NA	Solid	5035	
MB 880-128106/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-128106/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 880-128106/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9282-5 MS	CS-5 (0-.25')	Total/NA	Solid	5035	
890-9282-5 MSD	CS-5 (0-.25')	Total/NA	Solid	5035	

## Analysis Batch: 128156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9282-8	CS-8 (0-.25')	Total/NA	Solid	8021B	128096
890-9282-9	CS-9 (0-.25')	Total/NA	Solid	8021B	128096
890-9282-10	CS-10 (0-.25')	Total/NA	Solid	8021B	128096
MB 880-128096/5-A	Method Blank	Total/NA	Solid	8021B	128096
LCS 880-128096/1-A	Lab Control Sample	Total/NA	Solid	8021B	128096
LCS 880-128096/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	128096
890-9300-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	128096
890-9300-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	128096

## GC Semi VOA

## Prep Batch: 127701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9282-1	CS-1 (0-.25')	Total/NA	Solid	8015NM Prep	
890-9282-2	CS-2 (0-.25')	Total/NA	Solid	8015NM Prep	
890-9282-3	CS-3 (0-.25')	Total/NA	Solid	8015NM Prep	
890-9282-4	CS-4 (0-.25')	Total/NA	Solid	8015NM Prep	
890-9282-5	CS-5 (0-.25')	Total/NA	Solid	8015NM Prep	
MB 880-127701/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-127701/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCS 880-127701/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9280-A-2-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-9280-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Prep Batch: 127703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9282-6	CS-6 (0-.25')	Total/NA	Solid	8015NM Prep	

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Redhills Unit 81HJob ID: 890-9282-1  
SDG: 2739

## GC Semi VOA (Continued)

## Prep Batch: 127703 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9282-7	CS-7 (0-.25')	Total/NA	Solid	8015NM Prep	
890-9282-8	CS-8 (0-.25')	Total/NA	Solid	8015NM Prep	
890-9282-9	CS-9 (0-.25')	Total/NA	Solid	8015NM Prep	
890-9282-10	CS-10 (0-.25')	Total/NA	Solid	8015NM Prep	
MB 880-127703/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-127703/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-127703/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9282-6 MS	CS-6 (0-.25')	Total/NA	Solid	8015NM Prep	
890-9282-6 MSD	CS-6 (0-.25')	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 128146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9282-1	CS-1 (0-.25')	Total/NA	Solid	8015B NM	127701
890-9282-2	CS-2 (0-.25')	Total/NA	Solid	8015B NM	127701
890-9282-3	CS-3 (0-.25')	Total/NA	Solid	8015B NM	127701
890-9282-4	CS-4 (0-.25')	Total/NA	Solid	8015B NM	127701
890-9282-5	CS-5 (0-.25')	Total/NA	Solid	8015B NM	127701
890-9282-6	CS-6 (0-.25')	Total/NA	Solid	8015B NM	127703
890-9282-7	CS-7 (0-.25')	Total/NA	Solid	8015B NM	127703
890-9282-8	CS-8 (0-.25')	Total/NA	Solid	8015B NM	127703
890-9282-9	CS-9 (0-.25')	Total/NA	Solid	8015B NM	127703
890-9282-10	CS-10 (0-.25')	Total/NA	Solid	8015B NM	127703
MB 880-127701/1-A	Method Blank	Total/NA	Solid	8015B NM	127701
MB 880-127703/1-A	Method Blank	Total/NA	Solid	8015B NM	127703
LCS 880-127701/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	127701
LCS 880-127703/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	127703
LCSD 880-127701/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	127701
LCSD 880-127703/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	127703
890-9280-A-2-B MS	Matrix Spike	Total/NA	Solid	8015B NM	127701
890-9280-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	127701
890-9282-6 MS	CS-6 (0-.25')	Total/NA	Solid	8015B NM	127703
890-9282-6 MSD	CS-6 (0-.25')	Total/NA	Solid	8015B NM	127703

## Analysis Batch: 128210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9282-1	CS-1 (0-.25')	Total/NA	Solid	8015 NM	
890-9282-2	CS-2 (0-.25')	Total/NA	Solid	8015 NM	
890-9282-3	CS-3 (0-.25')	Total/NA	Solid	8015 NM	
890-9282-4	CS-4 (0-.25')	Total/NA	Solid	8015 NM	
890-9282-5	CS-5 (0-.25')	Total/NA	Solid	8015 NM	
890-9282-6	CS-6 (0-.25')	Total/NA	Solid	8015 NM	
890-9282-7	CS-7 (0-.25')	Total/NA	Solid	8015 NM	
890-9282-8	CS-8 (0-.25')	Total/NA	Solid	8015 NM	
890-9282-9	CS-9 (0-.25')	Total/NA	Solid	8015 NM	
890-9282-10	CS-10 (0-.25')	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 127754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9282-1	CS-1 (0-.25')	Soluble	Solid	DI Leach	

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### QC Association Summary

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
 SDG: 2739

#### HPLC/IC (Continued)

##### Leach Batch: 127754 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9282-2	CS-2 (0-.25')	Soluble	Solid	DI Leach	
890-9282-3	CS-3 (0-.25')	Soluble	Solid	DI Leach	
890-9282-4	CS-4 (0-.25')	Soluble	Solid	DI Leach	
890-9282-5	CS-5 (0-.25')	Soluble	Solid	DI Leach	
890-9282-6	CS-6 (0-.25')	Soluble	Solid	DI Leach	
890-9282-7	CS-7 (0-.25')	Soluble	Solid	DI Leach	
890-9282-8	CS-8 (0-.25')	Soluble	Solid	DI Leach	
890-9282-9	CS-9 (0-.25')	Soluble	Solid	DI Leach	
890-9282-10	CS-10 (0-.25')	Soluble	Solid	DI Leach	
MB 880-127754/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-127754/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-127754/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9282-9 MS	CS-9 (0-.25')	Soluble	Solid	DI Leach	
890-9282-9 MSD	CS-9 (0-.25')	Soluble	Solid	DI Leach	

##### Analysis Batch: 127838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9282-1	CS-1 (0-.25')	Soluble	Solid	300.0	127754
890-9282-2	CS-2 (0-.25')	Soluble	Solid	300.0	127754
890-9282-3	CS-3 (0-.25')	Soluble	Solid	300.0	127754
890-9282-4	CS-4 (0-.25')	Soluble	Solid	300.0	127754
890-9282-5	CS-5 (0-.25')	Soluble	Solid	300.0	127754
890-9282-6	CS-6 (0-.25')	Soluble	Solid	300.0	127754
890-9282-7	CS-7 (0-.25')	Soluble	Solid	300.0	127754
890-9282-8	CS-8 (0-.25')	Soluble	Solid	300.0	127754
890-9282-9	CS-9 (0-.25')	Soluble	Solid	300.0	127754
890-9282-10	CS-10 (0-.25')	Soluble	Solid	300.0	127754
MB 880-127754/1-A	Method Blank	Soluble	Solid	300.0	127754
LCS 880-127754/2-A	Lab Control Sample	Soluble	Solid	300.0	127754
LCSD 880-127754/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	127754
890-9282-9 MS	CS-9 (0-.25')	Soluble	Solid	300.0	127754
890-9282-9 MSD	CS-9 (0-.25')	Soluble	Solid	300.0	127754

### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
 SDG: 2739

**Client Sample ID: CS-1 (0-.25')**

**Lab Sample ID: 890-9282-1**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

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	127803	12/29/25 08:43	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127954	12/31/25 16:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128105	12/31/25 16:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			128210	01/05/26 07:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	127701	12/26/25 10:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128146	01/05/26 07:25	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	127754	12/26/25 12:17	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	127838	12/29/25 15:55	CS	EET MID

**Client Sample ID: CS-2 (0-.25')**

**Lab Sample ID: 890-9282-2**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

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	127803	12/29/25 08:43	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127954	12/31/25 16:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128105	12/31/25 16:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			128210	01/05/26 07:40	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127701	12/26/25 10:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128146	01/05/26 07:40	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	127754	12/26/25 12:17	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	127838	12/29/25 16:00	CS	EET MID

**Client Sample ID: CS-3 (0-.25')**

**Lab Sample ID: 890-9282-3**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

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	127803	12/29/25 08:43	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127954	12/31/25 17:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128105	12/31/25 17:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			128210	01/05/26 07:55	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	127701	12/26/25 10:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128146	01/05/26 07:55	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	127754	12/26/25 12:17	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	127838	12/29/25 16:05	CS	EET MID

**Client Sample ID: CS-4 (0-.25')**

**Lab Sample ID: 890-9282-4**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	127803	12/29/25 08:43	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127954	12/31/25 17:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			128105	12/31/25 17:29	SA	EET MID

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### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
 SDG: 2739

**Client Sample ID: CS-4 (0-.25')**

**Lab Sample ID: 890-9282-4**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

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			128210	01/05/26 08:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127701	12/26/25 10:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128146	01/05/26 08:09	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	127754	12/26/25 12:17	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	127838	12/29/25 16:20	CS	EET MID

**Client Sample ID: CS-5 (0-.25')**

**Lab Sample ID: 890-9282-5**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

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	128106	01/02/26 15:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	128062	01/03/26 00:07	SA	EET MID
Total/NA	Analysis	Total BTEX		1			128105	01/03/26 00:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			128210	01/05/26 08:24	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	127701	12/26/25 10:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128146	01/05/26 08:24	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	127754	12/26/25 12:17	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	127838	12/29/25 16:25	CS	EET MID

**Client Sample ID: CS-6 (0-.25')**

**Lab Sample ID: 890-9282-6**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	128106	01/02/26 15:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	128062	01/03/26 00:28	SA	EET MID
Total/NA	Analysis	Total BTEX		1			128105	01/03/26 00:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			128210	01/04/26 19:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127703	12/26/25 10:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128146	01/04/26 19:36	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	127754	12/26/25 12:17	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	127838	12/29/25 16:30	CS	EET MID

**Client Sample ID: CS-7 (0-.25')**

**Lab Sample ID: 890-9282-7**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

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	128106	01/02/26 15:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	128062	01/03/26 00:48	SA	EET MID
Total/NA	Analysis	Total BTEX		1			128105	01/03/26 00:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			128210	01/04/26 20:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127703	12/26/25 10:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128146	01/04/26 20:20	FC	EET MID

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### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
 SDG: 2739

**Client Sample ID: CS-7 (0-.25')**

**Lab Sample ID: 890-9282-7**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

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	127754	12/26/25 12:17	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	127838	12/29/25 16:35	CS	EET MID

**Client Sample ID: CS-8 (0-.25')**

**Lab Sample ID: 890-9282-8**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

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	128096	01/02/26 12:27	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	128156	01/05/26 17:13	SA	EET MID
Total/NA	Analysis	Total BTEX		1			128105	01/05/26 17:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			128210	01/04/26 20:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	127703	12/26/25 10:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128146	01/04/26 20:35	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	127754	12/26/25 12:17	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	127838	12/29/25 16:40	CS	EET MID

**Client Sample ID: CS-9 (0-.25')**

**Lab Sample ID: 890-9282-9**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	128096	01/02/26 12:27	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	128156	01/05/26 17:34	SA	EET MID
Total/NA	Analysis	Total BTEX		1			128105	01/05/26 17:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			128210	01/04/26 20:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	127703	12/26/25 10:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128146	01/04/26 20:50	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	127754	12/26/25 12:17	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	127838	12/29/25 16:45	CS	EET MID

**Client Sample ID: CS-10 (0-.25')**

**Lab Sample ID: 890-9282-10**

Date Collected: 12/23/25 00:00

Matrix: Solid

Date Received: 12/23/25 15:56

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	128096	01/02/26 12:27	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	128156	01/05/26 17:54	SA	EET MID
Total/NA	Analysis	Total BTEX		1			128105	01/05/26 17:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			128210	01/04/26 21:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127703	12/26/25 10:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	128146	01/04/26 21:04	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	127754	12/26/25 12:17	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	127838	12/29/25 17:00	CS	EET MID

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### Lab Chronicle

Client: Carmona Resources  
Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
SDG: 2739

**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: Redhills Unit 81H

Job ID: 890-9282-1  
SDG: 2739

#### Laboratory: Eurofins Midland

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

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

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

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

- 1
- 2
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### Method Summary

Client: Carmona Resources  
Project/Site: Redhills Unit 81H

Job ID: 890-9282-1  
SDG: 2739

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: Redhills Unit 81H

Job ID: 890-9282-1  
SDG: 2739

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
890-9282-1	CS-1 (0-.25')	Solid	12/23/25 00:00	12/23/25 15:56	Texas
890-9282-2	CS-2 (0-.25')	Solid	12/23/25 00:00	12/23/25 15:56	Texas
890-9282-3	CS-3 (0-.25')	Solid	12/23/25 00:00	12/23/25 15:56	Texas
890-9282-4	CS-4 (0-.25')	Solid	12/23/25 00:00	12/23/25 15:56	Texas
890-9282-5	CS-5 (0-.25')	Solid	12/23/25 00:00	12/23/25 15:56	Texas
890-9282-6	CS-6 (0-.25')	Solid	12/23/25 00:00	12/23/25 15:56	Texas
890-9282-7	CS-7 (0-.25')	Solid	12/23/25 00:00	12/23/25 15:56	Texas
890-9282-8	CS-8 (0-.25')	Solid	12/23/25 00:00	12/23/25 15:56	Texas
890-9282-9	CS-9 (0-.25')	Solid	12/23/25 00:00	12/23/25 15:56	Texas
890-9282-10	CS-10 (0-.25')	Solid	12/23/25 00:00	12/23/25 15:56	Texas

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Chain of Custody



890-9282 Chain of Custody

**Work Order Comments**

Program:  US/PST  PRP  Brownfields  RRC  Superfund

State of Project:  Level II  Level III  PST/UST  RRP  Level IV

Reporting:  Level II  Level III  Level IV  Other:

Deliverables:  EDD  ADaPT  Other:

**Project Manager:** Ashton Thielke  
**Company Name:** Carmona Resources  
**Address:** 310 West Wall Ste. 500  
 Midland, TX 79701  
**Phone:** 432-813-8988

**Bill to: (if different)** Laci Luig  
**Company Name:** Cimarex Energy  
**Address:** 600 N Marientfield St, Suite 600  
 Midland, TX 79701  
**Email:** laci.luig@coterra.com & ashton.thielke@coterra.com

**Project Name:** Redhills Unit 81H  
**Project Number:** 2739  
**Project Location:** Lea County, NM  
**Sampler's Name:** CMM  
**PO #:**

**Turn Around:**  Routine  Rush  
**Due Date:** Standard TAT

**SAMPLE RECEIPT**  
 Received Intact: Yes  No  Temp Blank: Yes  No  Wet Ice: Yes  No   
 Thermometer ID: *Thielke*  
 Cooler Custody Seals: Yes  No  Correction Factor: *0.2*  
 Sample Custody Seals: Yes  No  Temperature Reading: *4.0*  
 Total Containers: Corrected Temperature: *3.8*

Sample Identification	Date	Time	Soil	Depth	Grab/Comp	# of Cont	Parameters		Pres. Code
							TFH 8015M (GRO + DRO + MRO)	BTEX 8021B	
CS-1 (0-.25')	12/23/2025		X		G	1	X		
CS-2 (0-.25')	12/23/2025		X		G	1	X		
CS-3 (0-.25')	12/23/2025		X		G	1	X		
CS-4 (0-.25')	12/23/2025		X		G	1	X		
CS-5 (0-.25')	12/23/2025		X		G	1	X		
CS-6 (0-.25')	12/23/2025		X		G	1	X		
CS-7 (0-.25')	12/23/2025		X		G	1	X		
CS-8 (0-.25')	12/23/2025		X		G	1	X		
CS-9 (0-.25')	12/23/2025		X		G	1	X		
CS-10 (0-.25')	12/23/2025		X		G	1	X		

**ANALYSIS REQUEST**

**Preservative Codes**  
 None: NO  
 DI Water: H<sub>2</sub>O  
 Cool: Cool  
 MeOH: Me  
 HCL: HC  
 HNO<sub>3</sub>: HN  
 H<sub>2</sub>SO<sub>4</sub>: H<sub>2</sub>  
 H<sub>3</sub>PO<sub>4</sub>: HP  
 NaHSO<sub>4</sub>: NABIS  
 Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>: NaSO<sub>3</sub>  
 Zn Acetate+NaOH: Zn  
 NaOH+Ascorbic Acid: SACP

**Sample Comments**  
 HOLD

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Laci Luig</i>	<i>Ashton Thielke</i>	12-23-25 3:25			



### Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-9282-1

SDG Number: 2739

**Login Number: 9282**

**List Number: 1**

**Creator: Lopez, Abraham**

**List Source: Eurofins Carlsbad**

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

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### Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-9282-1

SDG Number: 2739

**Login Number: 9282**

**List Number: 2**

**Creator: Lee, Randall**

**List Source: Eurofins Midland**  
**List Creation: 12/26/25 07:59 AM**

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

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

QUESTIONS

Action 540976

**QUESTIONS**

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 540976
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2511728701
Incident Name	NAPP2511728701 RED HILLS UNIT 81H @ 30-025-51930
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-51930] #081H

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	RED HILLS UNIT 81H
Date Release Discovered	04/26/2025
Surface Owner	Federal

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	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

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Other   Transport   Crude Oil   Released: 13 BBL   Recovered: 13 BBL   Lost: 0 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	We had a reportable release at the Red Hills Unit 81H due to a release from an end dump trailer that was transferring oil-based mud cuttings to disposal. An incident investigation is currently underway to determine the cause of the release from the trailer. This incident resulted in an estimated release of 13.36 barrels oil-based mud onto the lease road and well pad. An emergency one call was placed, the cuttings were promptly removed, with a total of 21 yards of material transported to disposal. We will assess the impacted area for further remediation in the coming weeks. Released: 2.78 cubic yards oil based mud (13.36 barrels) Recovered: 21 cubic yards

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QUESTIONS, Page 2

Action 540976

**QUESTIONS (continued)**

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 540976
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>No</b>
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</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.*

**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	<b>True</b>
The impacted area has been secured to protect human health and the environment	<b>True</b>
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	<b>True</b>
All free liquids and recoverable materials have been removed and managed appropriately	<b>True</b>
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: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 01/07/2026
--	--

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QUESTIONS, Page 3

Action 540976

**QUESTIONS (continued)**

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 540976
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

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

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	242
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	128
GRO+DRO (EPA SW-846 Method 8015M)	128
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	04/26/2025
On what date will (or did) the final sampling or liner inspection occur	12/23/2025
On what date will (or was) the remediation complete(d)	12/23/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	1800
What is the estimated volume (in cubic yards) that will be remediated	21

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 540976

**QUESTIONS (continued)**

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 540976
	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 <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	fEEM0112340644 R360 ARTESIA LLC LANDFARM
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> 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: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 01/07/2026
--	--

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 540976

**QUESTIONS (continued)**

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 540976
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<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 540976

**QUESTIONS (continued)**

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 540976
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>536096</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>12/23/2025</b>
What was the (estimated) number of samples that were to be gathered	<b>10</b>
What was the sampling surface area in square feet	<b>1800</b>

**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	1800
What was the total volume (cubic yards) remediated	21
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)	The entire area was surface scraped which resulted in approximately 21 cubic yards of material removed from the roadway. The stie was vertically and horizontally delineated along with composite confirmation surface samples to determine that no impact was left onsite following the release.

*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: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 01/07/2026
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QUESTIONS, Page 7

Action 540976

**QUESTIONS (continued)**

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 540976
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Reclamation Report</b>	
<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 540976

**CONDITIONS**

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 540976
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	2/18/2026