



## SITE INFORMATION

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**Closure Report**  
**White Falcon 16 State 1H**  
**API No. 30-025-42757**  
**Lea County, New Mexico**  
**Incident ID: nAPP2502128252**  
**Unit D Sec 16 T25S R35E**  
**32.136481°, -103.380703°**

**Crude Oil Release**  
**Point of Release: Flare Fire**  
**Release Date: 01.20.2025**  
**Volume Released: 0.2 barrels of Crude Oil**  
**Volume Recovered: 0 barrels of Crude Oil**

**CARMONA RESOURCES**



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

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



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February 20, 2025

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

**Re: Closure Report**  
**White Falcon 16 State 1H**  
**API No. 30-025-42757**  
**Concho Operating, LLC**  
**Incident ID: nAPP2502128252**  
**Site Location: Unit D, S16, T25S, R35E**  
**(Lat 32.136481°, Long -103.380703°)**  
**Lea County, New Mexico**

To whom it may concern

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for White Falcon 16 State 1H. The site is located at 32.136481°, -103.380703° within Unit D, S16, T25S, and R35E, in Lea County, New Mexico (Figures 1 and 2).

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

Based on information obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on January 20, 2025, due to the heater treater overfilling and sending fluid to the flare causing a fire. It resulted in approximately zero-point-two (0.2) barrels of crude oil being released and zero (0) barrels of crude oil being recovered. The impacted area occurred on the pad, shown in Figure 3. The Notice of Release is 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 closest well is approximately 1.05 miles Southwest of the site in S21, T25S, R35E and was drilled in 1996. The well has a reported depth to groundwater of 166.71 feet below the ground surface (ft bgs). A copy of the associated summary report is attached in Appendix D.

### **3.0 NMAC Regulatory Criteria**

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

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

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Midland, Texas 79701  
432.813.1992



#### **4.0 Site Assessment Activities**

On February 4, 2025, Carmona Resources LLC performed site assessment activities to evaluate soil impacts stemming from the fire. A total of two (2) vertical sample points (S-1 & S-2) and four (5) horizontal sample points (H-1 through H-5) were advanced to depths ranging from the surface to 4.0' bgs inside the release area to assess the vertical and horizontal extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

All samples were below regulatory requirements for TPH, BTEX, and chloride. See Table 1 for the analytical results.

An Archaeological Survey was also conducted to ensure compliance with the Cultural Properties Protection (CPP) rule. The results of the survey were negative, and no new archaeological sites or historic properties were encountered. A copy of the exhibit is attached in Appendix C.

#### **5.0 Conclusions**

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

Sincerely,

**Carmona Resources, LLC**

Conner Moehring  
Environmental Manager

Stephen Reyes  
Environmental Engineer

## FIGURES

CARMONA RESOURCES





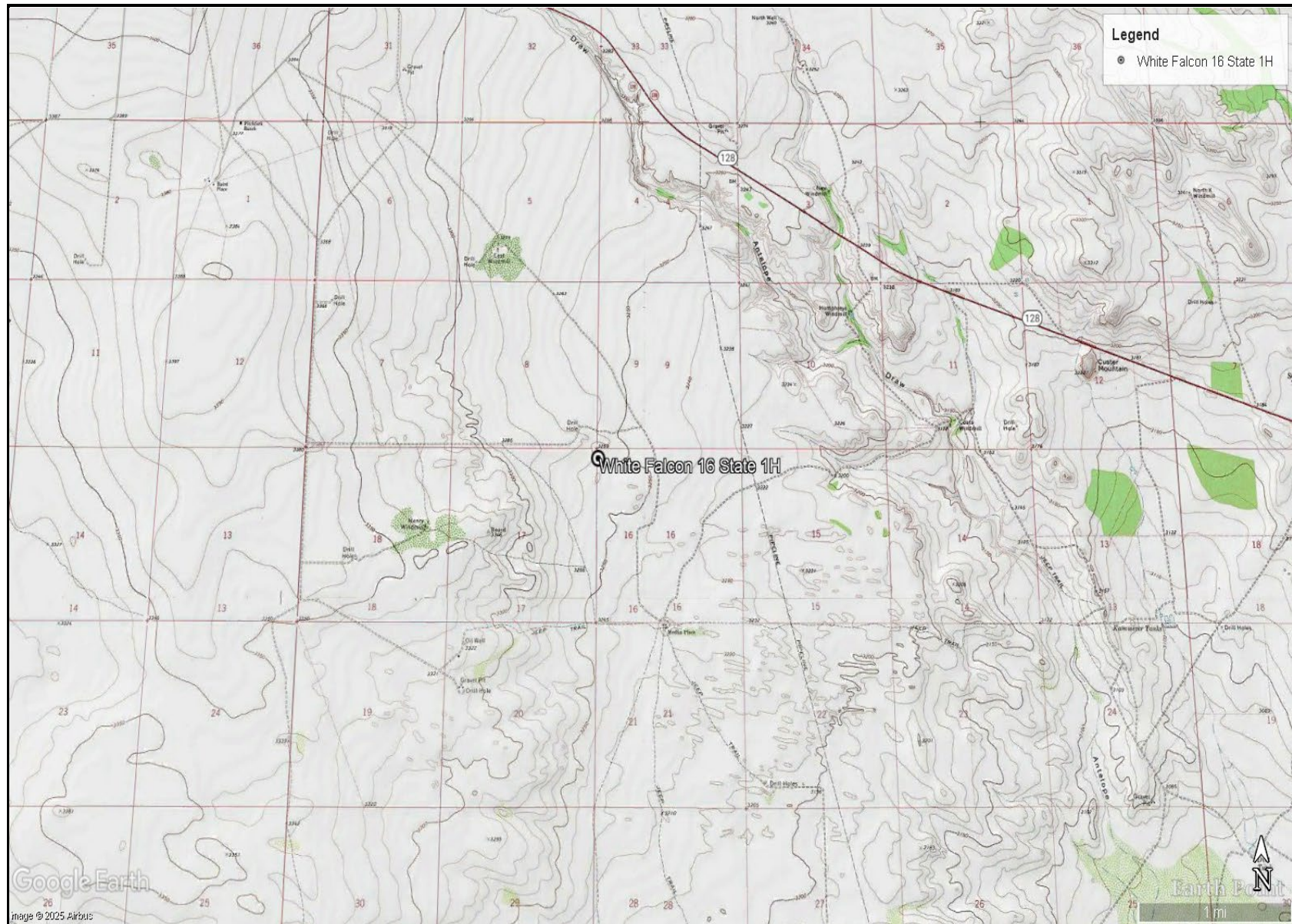


OVERVIEW MAP  
COG OPERATING, LLC  
WHITE FALCON 16 STATE 1H  
LEA COUNTY, NEW MEXICO  
32.136481°, -103.380703°



FIGURE 1



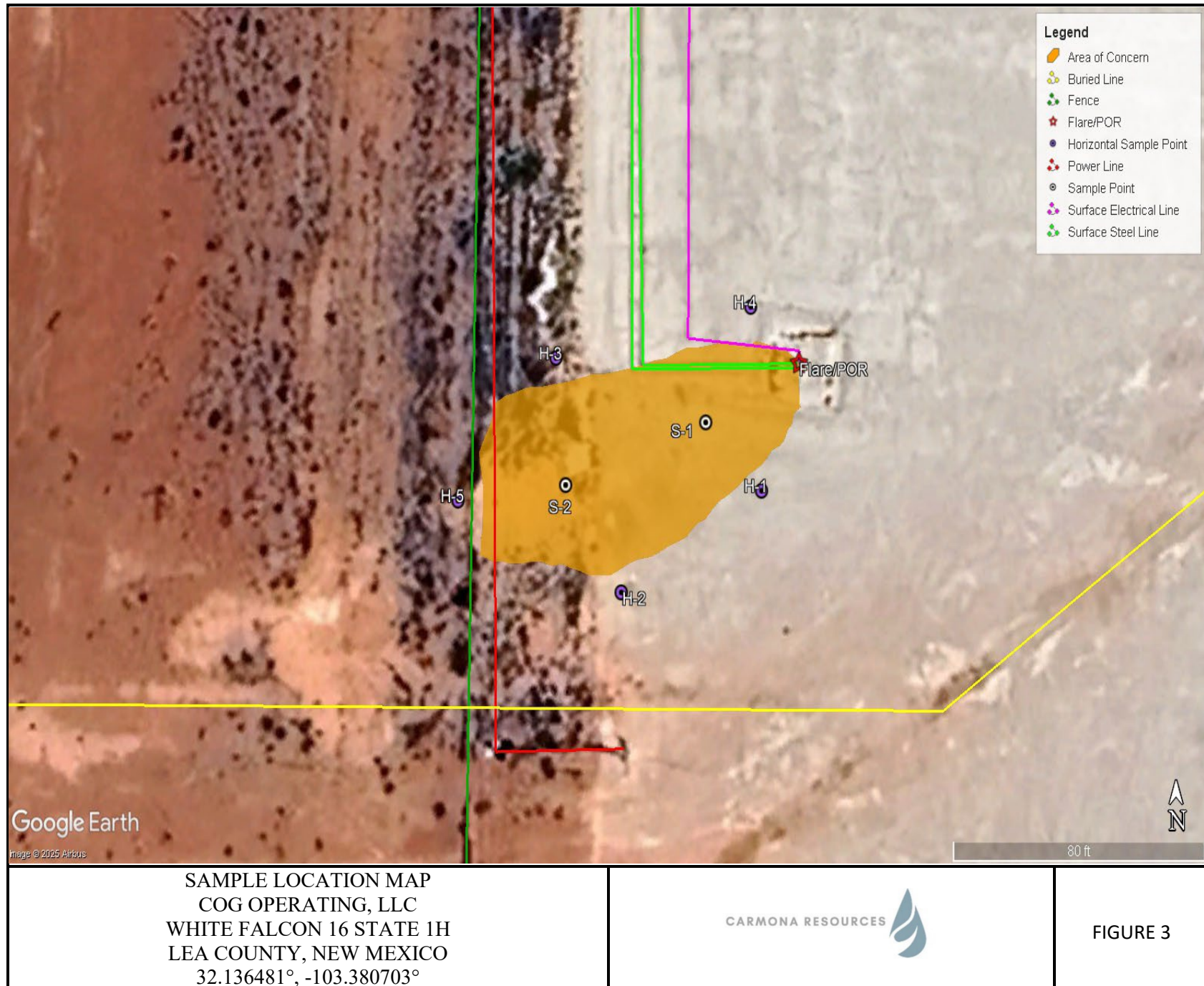


TOPOGRAPHIC MAP  
 COG OPERATING, LLC  
 WHITE FALCON 16 STATE 1H  
 LEA COUNTY, NEW MEXICO  
 32.136481°, -103.380703°



FIGURE 2







## APPENDIX A

CARMONA RESOURCES



**Table 1**  
**ConocoPhillips**  
**White Falcon 16 State 1H**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
<b>S-1</b>	2/5/2025	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<10.0
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.1
	"	2	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.96
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.0
	"	4	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	42.5
<b>S-2</b>	2/5/2025	0-1	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	11.0
	"	1.5	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.94
	"	2	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<10.1
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.0
	"	4	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<9.98
<b>H-1</b>	2/5/2025	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.0
<b>H-2</b>	2/5/2025	0-0.5	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	11.0
<b>H-3</b>	2/5/2025	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<9.92
<b>H-4</b>	2/5/2025	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	21.2
<b>H-5</b>	2/5/2025	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.1
<b>Regulatory Criteria<sup>A</sup></b>							<b>100 mg/kg</b>	<b>10 mg/kg</b>			<b>50 mg/kg</b>	<b>600 mg/kg</b>

(-) Not Analyzed

<sup>A</sup> – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

(H) Horizontal Sample

## APPENDIX B

CARMONA RESOURCES





## PHOTOGRAPHIC LOG

COG Operating, LLC

## Photograph No. 1

Facility: White Falcon 16 State 1H

County: Lea County, New Mexico

## Description:

View Northeast, area of concern



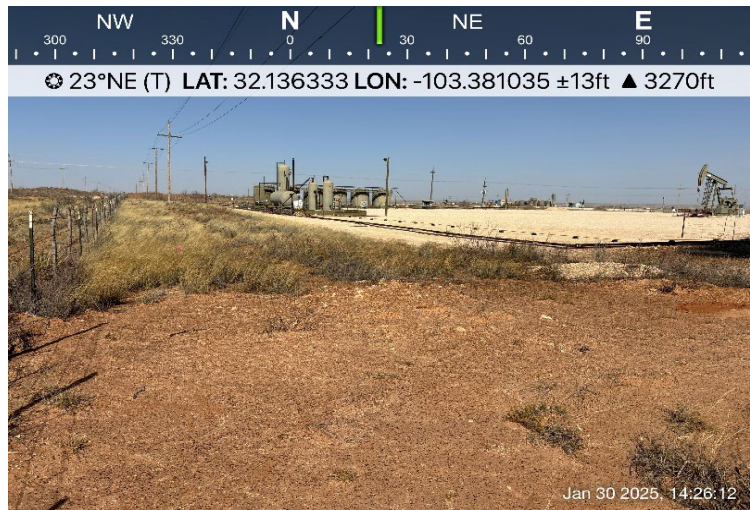
## Photograph No. 2

Facility: White Falcon 16 State 1H

County: Lea County, New Mexico

## Description:

View North, area of concern



## Photograph No. 3

Facility: White Falcon 16 State 1H

County: Lea County, New Mexico

## Description:

View Southwest, area of concern



## PHOTOGRAPHIC LOG

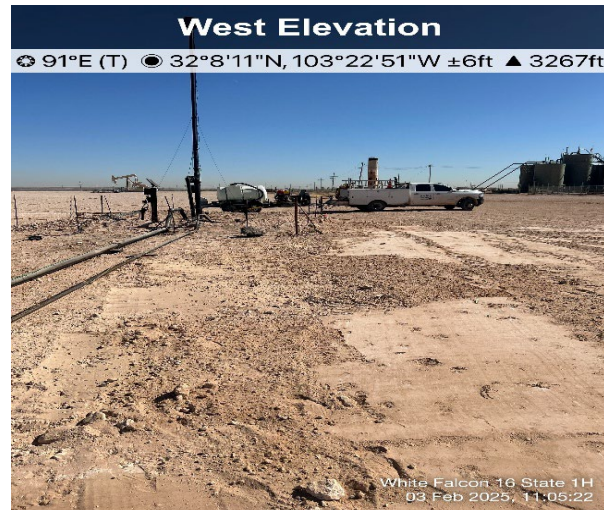
COG Operating, LLC

### Photograph No. 4

**Facility:** White Falcon 16 State 1H

**County:** Lea County, New Mexico

**Description:**  
View West, area of S-1

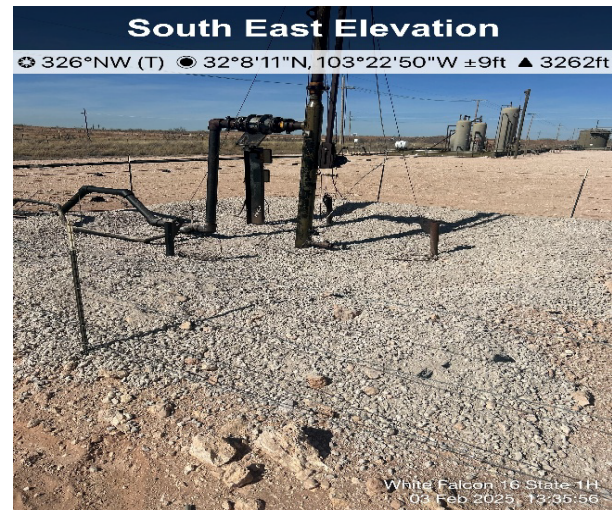


### Photograph No. 5

**Facility:** White Falcon 16 State 1H

**County:** Lea County, New Mexico

**Description:**  
View Southeast, point of release/flare



## 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 422628

**QUESTIONS**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 422628
	Action Type: [NOTIFY] Notification Of Release (NOR)

**QUESTIONS**

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	White Falcon 16 State 1H
Date Release Discovered	01/20/2025
Surface Owner	State

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Freeze   Treating Tower   Crude Oil   Released: 1 BBL   Recovered: 0 BBL   Lost: 1 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Emergency services were not notified Release was confined to the well pad Facility has been cleared by safety personnel

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

QUESTIONS, Page 2

Action 422628

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 422628
	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)	More volume information must be supplied to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Emergency services were not notified Release was confined to the well pad Facility has been cleared by safety personnel

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

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

ACKNOWLEDGMENTS

Action 422628

**ACKNOWLEDGMENTS**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 422628
	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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Santa Fe, NM 87505

CONDITIONS

Action 422628

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 422628
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jlaire	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	1/21/2025



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

## NMSLO Cultural Resources Cover Sheet Exhibit

**NMCRIS Activity Number:**

(if applicable)

**Exhibit Type** (select one)

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

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

**Archaeological Survey**

**Findings:**

**Negative** - No further archaeological review is required.

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

**Comments:**

**Project Details:**

NMSLO Lease Number (if available):

Cultural Resources Consultant:

Project Proponent (Applicant):

Project Title/Description:

**Project Location:**

County(ies):

PLSS/Section/Township/Range):

---

***For NMSLO Agency Use Only:***

NMSLO Lease Number:

Acknowledgment-Only:

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

---

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

Form Revised 12 22

## APPENDIX D

CARMONA RESOURCES





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 2/7/2025 11:09:21 AM

## JOB DESCRIPTION

White Falcon 16 State 1H (01.20.25)  
Lea County, New Mexico

## JOB NUMBER

880-54141-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701





# Eurofins Midland

## Job Notes

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

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

## Authorization



Generated  
2/7/2025 11:09:21 AM

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: White Falcon 16 State 1H (01.20.25)

Laboratory Job ID: 880-54141-1  
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54141-1  
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
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.

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: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54141-1

**Job ID: 880-54141-1**

**Eurofins Midland**

### Job Narrative 880-54141-1

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 2/6/2025 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.7°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-1') (880-54141-1), S-1 (1.5') (880-54141-2), S-1 (2') (880-54141-3), S-1 (3') (880-54141-4), S-1 (4') (880-54141-5), S-2 (0-1') (880-54141-6), S-2 (1.5') (880-54141-7), S-2 (2') (880-54141-8), S-2 (3') (880-54141-9) and S-2 (4') (880-54141-10).

#### 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 surrogate recovery for the blank associated with preparation batch 880-102176 and analytical batch 880-102160 was outside the upper control limits.

Method 8015MOD\_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCSD 880-102176/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: S-1 (2') (880-54141-3). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The laboratory control sample (LCS) associated with preparation batch 880-102176 and analytical batch 880-102160 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

#### HPLC/IC

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

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## Client Sample Results

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54141-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-54141-1

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 13:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 13:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 13:01	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/06/25 11:01	02/06/25 13:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 13:01	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/06/25 11:01	02/06/25 13:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	02/06/25 11:01	02/06/25 13:01	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/06/25 11:01	02/06/25 13:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/06/25 13:01	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			02/06/25 18:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/06/25 10:59	02/06/25 18:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		02/06/25 10:59	02/06/25 18:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/25 10:59	02/06/25 18:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	02/06/25 10:59	02/06/25 18:23	1
o-Terphenyl	89		70 - 130	02/06/25 10:59	02/06/25 18:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/06/25 17:26	1

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-54141-2

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 13:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 13:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 13:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/06/25 11:01	02/06/25 13:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 13:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/06/25 11:01	02/06/25 13:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	02/06/25 11:01	02/06/25 13:21	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/06/25 11:01	02/06/25 13:21	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54141-1  
SDG: Lea County, New Mexico

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-54141-2

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

## 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			02/06/25 13:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/06/25 19:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/06/25 10:59	02/06/25 19:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U *	49.8		mg/Kg		02/06/25 10:59	02/06/25 19:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/06/25 10:59	02/06/25 19:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				02/06/25 10:59	02/06/25 19:11	1
o-Terphenyl	92		70 - 130				02/06/25 10:59	02/06/25 19:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			02/06/25 15:56	1

Client Sample ID: S-1 (2')

Lab Sample ID: 880-54141-3

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 13:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 13:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 13:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/06/25 11:01	02/06/25 13:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 13:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/06/25 11:01	02/06/25 13:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				02/06/25 11:01	02/06/25 13:42	1
1,4-Difluorobenzene (Surr)	101		70 - 130				02/06/25 11:01	02/06/25 13:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/06/25 13:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/06/25 19:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/06/25 10:59	02/06/25 19:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U *	49.8		mg/Kg		02/06/25 10:59	02/06/25 19:28	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54141-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-54141-3

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/06/25 10:59	02/06/25 19:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				02/06/25 10:59	02/06/25 19:28	1
o-Terphenyl	103		70 - 130				02/06/25 10:59	02/06/25 19:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			02/06/25 16:03	1

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

Lab Sample ID: 880-54141-4

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 14:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 14:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 14:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/06/25 11:01	02/06/25 14:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 14:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/06/25 11:01	02/06/25 14:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				02/06/25 11:01	02/06/25 14:02	1
1,4-Difluorobenzene (Surr)	99		70 - 130				02/06/25 11:01	02/06/25 14:02	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			02/06/25 14:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/06/25 19:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/06/25 10:59	02/06/25 19:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		02/06/25 10:59	02/06/25 19:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/25 10:59	02/06/25 19:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				02/06/25 10:59	02/06/25 19:44	1
o-Terphenyl	96		70 - 130				02/06/25 10:59	02/06/25 19:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/06/25 17:33	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54141-1  
SDG: Lea County, New Mexico

Client Sample ID: S-1 (4')

Lab Sample ID: 880-54141-5

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 14:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 14:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 14:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/06/25 11:01	02/06/25 14:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 14:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/06/25 11:01	02/06/25 14:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	02/06/25 11:01	02/06/25 14:23	1
1,4-Difluorobenzene (Surr)	99		70 - 130	02/06/25 11:01	02/06/25 14:23	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			02/06/25 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/06/25 20:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/06/25 10:59	02/06/25 20:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		02/06/25 10:59	02/06/25 20:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/25 10:59	02/06/25 20:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	02/06/25 10:59	02/06/25 20:01	1
o-Terphenyl	100		70 - 130	02/06/25 10:59	02/06/25 20:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.5		10.0		mg/Kg			02/06/25 16:33	1

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

Lab Sample ID: 880-54141-6

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 14:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 14:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 14:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/06/25 11:01	02/06/25 14:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 14:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/06/25 11:01	02/06/25 14:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	02/06/25 11:01	02/06/25 14:43	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/06/25 11:01	02/06/25 14:43	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54141-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-54141-6

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

## 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			02/06/25 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/06/25 20:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/06/25 10:59	02/06/25 20:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		02/06/25 10:59	02/06/25 20:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/06/25 10:59	02/06/25 20:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				02/06/25 10:59	02/06/25 20:16	1
o-Terphenyl	95		70 - 130				02/06/25 10:59	02/06/25 20:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.0		9.92		mg/Kg			02/06/25 16:41	1

Client Sample ID: S-2(1.5')

Lab Sample ID: 880-54141-7

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 15:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 15:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 15:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/06/25 11:01	02/06/25 15:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 15:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/06/25 11:01	02/06/25 15:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				02/06/25 11:01	02/06/25 15:03	1
1,4-Difluorobenzene (Surr)	99		70 - 130				02/06/25 11:01	02/06/25 15:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/06/25 15:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/06/25 20:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/06/25 10:59	02/06/25 20:33	1
Diesel Range Organics (Over C10-C28)	<49.7	U *	49.7		mg/Kg		02/06/25 10:59	02/06/25 20:33	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54141-1  
SDG: Lea County, New Mexico

Client Sample ID: S-2(1.5')

Lab Sample ID: 880-54141-7

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/06/25 10:59	02/06/25 20:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				02/06/25 10:59	02/06/25 20:33	1
o-Terphenyl	98		70 - 130				02/06/25 10:59	02/06/25 20:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			02/06/25 17:03	1

Client Sample ID: S-2 (2')

Lab Sample ID: 880-54141-8

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/06/25 11:01	02/06/25 15:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/06/25 11:01	02/06/25 15:24	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/06/25 11:01	02/06/25 15:24	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		02/06/25 11:01	02/06/25 15:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/06/25 11:01	02/06/25 15:24	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/06/25 11:01	02/06/25 15:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				02/06/25 11:01	02/06/25 15:24	1
1,4-Difluorobenzene (Surr)	99		70 - 130				02/06/25 11:01	02/06/25 15:24	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			02/06/25 15:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/06/25 20:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/06/25 10:59	02/06/25 20:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U *	49.8		mg/Kg		02/06/25 10:59	02/06/25 20:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/06/25 10:59	02/06/25 20:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				02/06/25 10:59	02/06/25 20:48	1
o-Terphenyl	99		70 - 130				02/06/25 10:59	02/06/25 20:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			02/06/25 17:11	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54141-1  
SDG: Lea County, New Mexico

Client Sample ID: S-2(3')

Lab Sample ID: 880-54141-9

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 15:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 15:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 15:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/06/25 11:01	02/06/25 15:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 15:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/06/25 11:01	02/06/25 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	02/06/25 11:01	02/06/25 15:44	1
1,4-Difluorobenzene (Surr)	98		70 - 130	02/06/25 11:01	02/06/25 15:44	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			02/06/25 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/06/25 21:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/06/25 10:59	02/06/25 21:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		02/06/25 10:59	02/06/25 21:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/25 10:59	02/06/25 21:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	02/06/25 10:59	02/06/25 21:05	1
o-Terphenyl	101		70 - 130	02/06/25 10:59	02/06/25 21:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/06/25 17:18	1

Client Sample ID: S-2 (4')

Lab Sample ID: 880-54141-10

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 16:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 16:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 16:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/06/25 11:01	02/06/25 16:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 16:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/06/25 11:01	02/06/25 16:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	02/06/25 11:01	02/06/25 16:05	1
1,4-Difluorobenzene (Surr)	99		70 - 130	02/06/25 11:01	02/06/25 16:05	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54141-1  
SDG: Lea County, New Mexico

Client Sample ID: S-2 (4')

Lab Sample ID: 880-54141-10

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/06/25 16:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/06/25 21:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/06/25 10:59	02/06/25 21:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U *	49.8		mg/Kg		02/06/25 10:59	02/06/25 21:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/06/25 10:59	02/06/25 21:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				02/06/25 10:59	02/06/25 21:20	1
o-Terphenyl	93		70 - 130				02/06/25 10:59	02/06/25 21:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			02/06/25 17:40	1



## Surrogate Summary

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54141-1  
SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-54141-1	S-1 (0-1')	101	100				
880-54141-1 MS	S-1 (0-1')	91	112				
880-54141-1 MSD	S-1 (0-1')	98	105				
880-54141-2	S-1 (1.5')	96	97				
880-54141-3	S-1 (2')	99	101				
880-54141-4	S-1 (3')	97	99				
880-54141-5	S-1 (4')	99	99				
880-54141-6	S-2 (0-1')	104	97				
880-54141-7	S-2(1.5')	98	99				
880-54141-8	S-2 (2')	97	99				
880-54141-9	S-2(3')	97	98				
880-54141-10	S-2 (4')	98	99				
LCS 880-102178/1-A	Lab Control Sample	116	129				
LCSD 880-102178/2-A	Lab Control Sample Dup	96	115				
MB 880-102178/5-A	Method Blank	96	93				
<b>Surrogate Legend</b>							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-54141-1	S-1 (0-1')	112	89				
880-54141-1 MS	S-1 (0-1')	117	108				
880-54141-1 MSD	S-1 (0-1')	112	98				
880-54141-2	S-1 (1.5')	116	92				
880-54141-3	S-1 (2')	131 S1+	103				
880-54141-4	S-1 (3')	120	96				
880-54141-5	S-1 (4')	123	100				
880-54141-6	S-2 (0-1')	117	95				
880-54141-7	S-2(1.5')	120	98				
880-54141-8	S-2 (2')	119	99				
880-54141-9	S-2(3')	116	101				
880-54141-10	S-2 (4')	116	93				
LCS 880-102176/2-A	Lab Control Sample	88	78				
LCSD 880-102176/3-A	Lab Control Sample Dup	61 S1-	55 S1-				
MB 880-102176/1-A	Method Blank	187 S1+	151 S1+				
<b>Surrogate Legend</b>							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

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## QC Sample Results

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54141-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-102178/5-A

Matrix: Solid

Analysis Batch: 101988

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102178

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 12:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 12:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 12:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/06/25 11:01	02/06/25 12:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 12:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/06/25 11:01	02/06/25 12:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	02/06/25 11:01	02/06/25 12:39	1
1,4-Difluorobenzene (Surr)	93		70 - 130	02/06/25 11:01	02/06/25 12:39	1

Lab Sample ID: LCS 880-102178/1-A

Matrix: Solid

Analysis Batch: 101988

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102178

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1214		mg/Kg		121	70 - 130
Toluene	0.100	0.1060		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1174		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	0.200	0.2402		mg/Kg		120	70 - 130
o-Xylene	0.100	0.1194		mg/Kg		119	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	129		70 - 130

Lab Sample ID: LCSD 880-102178/2-A

Matrix: Solid

Analysis Batch: 101988

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102178

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1010		mg/Kg		101	70 - 130	18	35
Toluene	0.100	0.08827		mg/Kg		88	70 - 130	18	35
Ethylbenzene	0.100	0.09811		mg/Kg		98	70 - 130	18	35
m-Xylene & p-Xylene	0.200	0.2007		mg/Kg		100	70 - 130	18	35
o-Xylene	0.100	0.09958		mg/Kg		100	70 - 130	18	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: 880-54141-1 MS

Matrix: Solid

Analysis Batch: 101988

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

Prep Type: Total/NA

Prep Batch: 102178

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.09771		mg/Kg		98	70 - 130
Toluene	<0.00200	U	0.0998	0.08452		mg/Kg		85	70 - 130

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## QC Sample Results

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54141-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-54141-1 MS

Matrix: Solid

Analysis Batch: 101988

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

Prep Type: Total/NA

Prep Batch: 102178

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0998	0.09304		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1926		mg/Kg		96	70 - 130
o-Xylene	<0.00200	U	0.0998	0.09513		mg/Kg		95	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-54141-1 MSD

Matrix: Solid

Analysis Batch: 101988

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

Prep Type: Total/NA

Prep Batch: 102178

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.09013		mg/Kg		90	70 - 130	8	35
Toluene	<0.00200	U	0.0996	0.07665		mg/Kg		77	70 - 130	10	35
Ethylbenzene	<0.00200	U	0.0996	0.08344		mg/Kg		84	70 - 130	11	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1736		mg/Kg		87	70 - 130	10	35
o-Xylene	<0.00200	U	0.0996	0.08764		mg/Kg		88	70 - 130	8	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

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

Lab Sample ID: MB 880-102176/1-A

Matrix: Solid

Analysis Batch: 102160

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102176

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/06/25 10:59	02/06/25 17:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/06/25 10:59	02/06/25 17:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/06/25 10:59	02/06/25 17:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	187	S1+	70 - 130	02/06/25 10:59	02/06/25 17:35	1
o-Terphenyl	151	S1+	70 - 130	02/06/25 10:59	02/06/25 17:35	1

Lab Sample ID: LCS 880-102176/2-A

Matrix: Solid

Analysis Batch: 102160

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102176

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	861.0		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	800.5		mg/Kg		80	70 - 130

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## QC Sample Results

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54141-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-102176/2-A

Matrix: Solid

Analysis Batch: 102160

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102176

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	78		70 - 130

Lab Sample ID: LCSD 880-102176/3-A

Matrix: Solid

Analysis Batch: 102160

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102176

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	710.4		mg/Kg		71	70 - 130	19	20
Diesel Range Organics (Over C10-C28)	1000	693.6	*-	mg/Kg		69	70 - 130	14	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	61	S1-	70 - 130
o-Terphenyl	55	S1-	70 - 130

Lab Sample ID: 880-54141-1 MS

Matrix: Solid

Analysis Batch: 102160

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

Prep Type: Total/NA

Prep Batch: 102176

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	993	1125		mg/Kg		113	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U *-	993	1214		mg/Kg		122	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 880-54141-1 MSD

Matrix: Solid

Analysis Batch: 102160

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

Prep Type: Total/NA

Prep Batch: 102176

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	993	1059		mg/Kg		107	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.9	U *-	993	1099		mg/Kg		111	70 - 130	10	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	98		70 - 130

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## QC Sample Results

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54141-1  
SDG: Lea County, New Mexico

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-102169/1-A

Matrix: Solid

Analysis Batch: 102180

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/06/25 14:04	1

Lab Sample ID: LCS 880-102169/2-A

Matrix: Solid

Analysis Batch: 102180

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.8		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-102169/3-A

Matrix: Solid

Analysis Batch: 102180

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	262.1		mg/Kg		105	90 - 110	2	20

Lab Sample ID: 880-54141-4 MS

Matrix: Solid

Analysis Batch: 102180

Client Sample ID: S-1 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<10.0	U	250	279.6		mg/Kg		109	90 - 110

Lab Sample ID: 880-54141-4 MSD

Matrix: Solid

Analysis Batch: 102180

Client Sample ID: S-1 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<10.0	U	250	279.2		mg/Kg		109	90 - 110	0	20

## QC Association Summary

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54141-1  
SDG: Lea County, New Mexico

## GC VOA

## Analysis Batch: 101988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54141-1	S-1 (0-1')	Total/NA	Solid	8021B	102178
880-54141-2	S-1 (1.5')	Total/NA	Solid	8021B	102178
880-54141-3	S-1 (2')	Total/NA	Solid	8021B	102178
880-54141-4	S-1 (3')	Total/NA	Solid	8021B	102178
880-54141-5	S-1 (4')	Total/NA	Solid	8021B	102178
880-54141-6	S-2 (0-1')	Total/NA	Solid	8021B	102178
880-54141-7	S-2(1.5')	Total/NA	Solid	8021B	102178
880-54141-8	S-2 (2')	Total/NA	Solid	8021B	102178
880-54141-9	S-2(3')	Total/NA	Solid	8021B	102178
880-54141-10	S-2 (4')	Total/NA	Solid	8021B	102178
MB 880-102178/5-A	Method Blank	Total/NA	Solid	8021B	102178
LCS 880-102178/1-A	Lab Control Sample	Total/NA	Solid	8021B	102178
LCSD 880-102178/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	102178
880-54141-1 MS	S-1 (0-1')	Total/NA	Solid	8021B	102178
880-54141-1 MSD	S-1 (0-1')	Total/NA	Solid	8021B	102178

## Prep Batch: 102178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54141-1	S-1 (0-1')	Total/NA	Solid	5035	
880-54141-2	S-1 (1.5')	Total/NA	Solid	5035	
880-54141-3	S-1 (2')	Total/NA	Solid	5035	
880-54141-4	S-1 (3')	Total/NA	Solid	5035	
880-54141-5	S-1 (4')	Total/NA	Solid	5035	
880-54141-6	S-2 (0-1')	Total/NA	Solid	5035	
880-54141-7	S-2(1.5')	Total/NA	Solid	5035	
880-54141-8	S-2 (2')	Total/NA	Solid	5035	
880-54141-9	S-2(3')	Total/NA	Solid	5035	
880-54141-10	S-2 (4')	Total/NA	Solid	5035	
MB 880-102178/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-102178/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-102178/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-54141-1 MS	S-1 (0-1')	Total/NA	Solid	5035	
880-54141-1 MSD	S-1 (0-1')	Total/NA	Solid	5035	

## Analysis Batch: 102292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54141-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-54141-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-54141-3	S-1 (2')	Total/NA	Solid	Total BTEX	
880-54141-4	S-1 (3')	Total/NA	Solid	Total BTEX	
880-54141-5	S-1 (4')	Total/NA	Solid	Total BTEX	
880-54141-6	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-54141-7	S-2(1.5')	Total/NA	Solid	Total BTEX	
880-54141-8	S-2 (2')	Total/NA	Solid	Total BTEX	
880-54141-9	S-2(3')	Total/NA	Solid	Total BTEX	
880-54141-10	S-2 (4')	Total/NA	Solid	Total BTEX	

Eurofins Midland



## QC Association Summary

Client: Carmona Resources

Job ID: 880-54141-1

Project/Site: White Falcon 16 State 1H (01.20.25)

SDG: Lea County, New Mexico

## GC Semi VOA

## Analysis Batch: 102160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54141-1	S-1 (0-1')	Total/NA	Solid	8015B NM	102176
880-54141-2	S-1 (1.5')	Total/NA	Solid	8015B NM	102176
880-54141-3	S-1 (2')	Total/NA	Solid	8015B NM	102176
880-54141-4	S-1 (3')	Total/NA	Solid	8015B NM	102176
880-54141-5	S-1 (4')	Total/NA	Solid	8015B NM	102176
880-54141-6	S-2 (0-1')	Total/NA	Solid	8015B NM	102176
880-54141-7	S-2(1.5')	Total/NA	Solid	8015B NM	102176
880-54141-8	S-2 (2')	Total/NA	Solid	8015B NM	102176
880-54141-9	S-2(3')	Total/NA	Solid	8015B NM	102176
880-54141-10	S-2 (4')	Total/NA	Solid	8015B NM	102176
MB 880-102176/1-A	Method Blank	Total/NA	Solid	8015B NM	102176
LCS 880-102176/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	102176
LCSD 880-102176/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	102176
880-54141-1 MS	S-1 (0-1')	Total/NA	Solid	8015B NM	102176
880-54141-1 MSD	S-1 (0-1')	Total/NA	Solid	8015B NM	102176

## Prep Batch: 102176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54141-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-54141-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-54141-3	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-54141-4	S-1 (3')	Total/NA	Solid	8015NM Prep	
880-54141-5	S-1 (4')	Total/NA	Solid	8015NM Prep	
880-54141-6	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-54141-7	S-2(1.5')	Total/NA	Solid	8015NM Prep	
880-54141-8	S-2 (2')	Total/NA	Solid	8015NM Prep	
880-54141-9	S-2(3')	Total/NA	Solid	8015NM Prep	
880-54141-10	S-2 (4')	Total/NA	Solid	8015NM Prep	
MB 880-102176/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-102176/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-102176/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-54141-1 MS	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-54141-1 MSD	S-1 (0-1')	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 102275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54141-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-54141-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-54141-3	S-1 (2')	Total/NA	Solid	8015 NM	
880-54141-4	S-1 (3')	Total/NA	Solid	8015 NM	
880-54141-5	S-1 (4')	Total/NA	Solid	8015 NM	
880-54141-6	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-54141-7	S-2(1.5')	Total/NA	Solid	8015 NM	
880-54141-8	S-2 (2')	Total/NA	Solid	8015 NM	
880-54141-9	S-2(3')	Total/NA	Solid	8015 NM	
880-54141-10	S-2 (4')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54141-1  
SDG: Lea County, New Mexico

HPLC/IC

Leach Batch: 102169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54141-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-54141-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-54141-3	S-1 (2')	Soluble	Solid	DI Leach	
880-54141-4	S-1 (3')	Soluble	Solid	DI Leach	
880-54141-5	S-1 (4')	Soluble	Solid	DI Leach	
880-54141-6	S-2 (0-1')	Soluble	Solid	DI Leach	
880-54141-7	S-2(1.5')	Soluble	Solid	DI Leach	
880-54141-8	S-2 (2')	Soluble	Solid	DI Leach	
880-54141-9	S-2(3')	Soluble	Solid	DI Leach	
880-54141-10	S-2 (4')	Soluble	Solid	DI Leach	
MB 880-102169/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-102169/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-102169/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-54141-4 MS	S-1 (3')	Soluble	Solid	DI Leach	
880-54141-4 MSD	S-1 (3')	Soluble	Solid	DI Leach	

Analysis Batch: 102180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54141-1	S-1 (0-1')	Soluble	Solid	300.0	102169
880-54141-2	S-1 (1.5')	Soluble	Solid	300.0	102169
880-54141-3	S-1 (2')	Soluble	Solid	300.0	102169
880-54141-4	S-1 (3')	Soluble	Solid	300.0	102169
880-54141-5	S-1 (4')	Soluble	Solid	300.0	102169
880-54141-6	S-2 (0-1')	Soluble	Solid	300.0	102169
880-54141-7	S-2(1.5')	Soluble	Solid	300.0	102169
880-54141-8	S-2 (2')	Soluble	Solid	300.0	102169
880-54141-9	S-2(3')	Soluble	Solid	300.0	102169
880-54141-10	S-2 (4')	Soluble	Solid	300.0	102169
MB 880-102169/1-A	Method Blank	Soluble	Solid	300.0	102169
LCS 880-102169/2-A	Lab Control Sample	Soluble	Solid	300.0	102169
LCSD 880-102169/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	102169
880-54141-4 MS	S-1 (3')	Soluble	Solid	300.0	102169
880-54141-4 MSD	S-1 (3')	Soluble	Solid	300.0	102169

## Lab Chronicle

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54141-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-54141-1

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	102178	02/06/25 11:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101988	02/06/25 13:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102292	02/06/25 13:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102275	02/06/25 18:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	102176	02/06/25 10:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102160	02/06/25 18:23	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	102169	02/06/25 10:52	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102180	02/06/25 17:26	SMC	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-54141-2

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	102178	02/06/25 11:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101988	02/06/25 13:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102292	02/06/25 13:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102275	02/06/25 19:11	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	102176	02/06/25 10:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102160	02/06/25 19:11	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	102169	02/06/25 10:52	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102180	02/06/25 15:56	SMC	EET MID

Client Sample ID: S-1 (2')

Lab Sample ID: 880-54141-3

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	102178	02/06/25 11:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101988	02/06/25 13:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102292	02/06/25 13:42	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102275	02/06/25 19:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	102176	02/06/25 10:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102160	02/06/25 19:28	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	102169	02/06/25 10:52	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102180	02/06/25 16:03	SMC	EET MID

Client Sample ID: S-1 (3')

Lab Sample ID: 880-54141-4

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	102178	02/06/25 11:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101988	02/06/25 14:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102292	02/06/25 14:02	AJ	EET MID

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54141-1  
SDG: Lea County, New Mexico

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

## Lab Sample ID: 880-54141-4

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			102275	02/06/25 19:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	102176	02/06/25 10:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102160	02/06/25 19:44	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	102169	02/06/25 10:52	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102180	02/06/25 17:33	SMC	EET MID

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

## Lab Sample ID: 880-54141-5

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	102178	02/06/25 11:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101988	02/06/25 14:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102292	02/06/25 14:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102275	02/06/25 20:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	102176	02/06/25 10:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102160	02/06/25 20:01	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	102169	02/06/25 10:52	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102180	02/06/25 16:33	SMC	EET MID

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

## Lab Sample ID: 880-54141-6

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	102178	02/06/25 11:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101988	02/06/25 14:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102292	02/06/25 14:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102275	02/06/25 20:16	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	102176	02/06/25 10:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102160	02/06/25 20:16	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	102169	02/06/25 10:52	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102180	02/06/25 16:41	SMC	EET MID

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

## Lab Sample ID: 880-54141-7

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	102178	02/06/25 11:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101988	02/06/25 15:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102292	02/06/25 15:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102275	02/06/25 20:33	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	102176	02/06/25 10:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102160	02/06/25 20:33	TKC	EET MID

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54141-1  
SDG: Lea County, New Mexico

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

## Lab Sample ID: 880-54141-7

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	102169	02/06/25 10:52	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102180	02/06/25 17:03	SMC	EET MID

## Client Sample ID: S-2 (2')

## Lab Sample ID: 880-54141-8

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	102178	02/06/25 11:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101988	02/06/25 15:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102292	02/06/25 15:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102275	02/06/25 20:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	102176	02/06/25 10:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102160	02/06/25 20:48	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	102169	02/06/25 10:52	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102180	02/06/25 17:11	SMC	EET MID

## Client Sample ID: S-2(3')

## Lab Sample ID: 880-54141-9

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	102178	02/06/25 11:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101988	02/06/25 15:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102292	02/06/25 15:44	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102275	02/06/25 21:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	102176	02/06/25 10:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102160	02/06/25 21:05	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	102169	02/06/25 10:52	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102180	02/06/25 17:18	SMC	EET MID

## Client Sample ID: S-2 (4')

## Lab Sample ID: 880-54141-10

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	102178	02/06/25 11:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101988	02/06/25 16:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102292	02/06/25 16:05	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102275	02/06/25 21:20	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	102176	02/06/25 10:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102160	02/06/25 21:20	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	102169	02/06/25 10:52	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102180	02/06/25 17:40	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54141-1  
SDG: Lea County, New Mexico

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

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Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54141-1  
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54141-1  
SDG: Lea County, New Mexico

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

**Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

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

Sample Summary

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54141-1  
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-54141-1	S-1 (0-1')	Solid	02/05/25 00:00	02/06/25 10:30
880-54141-2	S-1 (1.5')	Solid	02/05/25 00:00	02/06/25 10:30
880-54141-3	S-1 (2')	Solid	02/05/25 00:00	02/06/25 10:30
880-54141-4	S-1 (3')	Solid	02/05/25 00:00	02/06/25 10:30
880-54141-5	S-1 (4')	Solid	02/05/25 00:00	02/06/25 10:30
880-54141-6	S-2 (0-1')	Solid	02/05/25 00:00	02/06/25 10:30
880-54141-7	S-2(1.5')	Solid	02/05/25 00:00	02/06/25 10:30
880-54141-8	S-2 (2')	Solid	02/05/25 00:00	02/06/25 10:30
880-54141-9	S-2(3')	Solid	02/05/25 00:00	02/06/25 10:30
880-54141-10	S-2 (4')	Solid	02/05/25 00:00	02/06/25 10:30

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## Chain of Custody



880-54141 Chain of Custody

Page 1 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	Camrona Resources
Company Name:	Camrona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	<a href="mailto:mcamrona@camronaresources.com">mcamrona@camronaresources.com</a>

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

ANALYSIS REQUEST											
Project Name:	White Falcon 16 State 1H (01.20.25)	Turn Around	Pres. Code	Parameters						Preservative Codes	
Project Number:	2639	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		BTX 8021B						None: NO	
Project Location	Lea County, New Mexico	Due Date:	72 HR	TPH 8015M (GRO + DRO + MRO)						Cool: Cool	
Sampler's Name:	JDC			Chloride 300.0						HCL: HC	
PO #:										H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	
<b>SAMPLE RECEIPT</b> Received Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Thermometer ID: <u>115</u> Cooler Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Correction Factor: <u>-1.0</u> Sample Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Temperature Reading: <u>-1.0</u> Total Containers: <u>1.7</u>											
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont					Sample Comments
S-1 (0-1')	2/5/2025		X		G	1	X	X	X		
S-1 (1.5')	2/5/2025		X		G	1	X	X	X		
S-1 (2')	2/5/2025		X		G	1	X	X	X		
S-1 (3')	2/5/2025		X		G	1	X	X	X		
S-1 (4')	2/5/2025		X		G	1	X	X	X		
S-2 (0-1')	2/5/2025		X		G	1	X	X	X		
S-2 (1.5')	2/5/2025		X		G	1	X	X	X		
S-2 (2')	2/5/2025		X		G	1	X	X	X		
S-2 (3')	2/5/2025		X		G	1	X	X	X		
S-2 (4')	2/5/2025		X		G	1	X	X	X		

Comments: Email to Mike Camrona / [Mcamrona@camronaresources.com](mailto:Mcamrona@camronaresources.com) and Conner Moehring / [Cmoehring@camronaresources.com](mailto:Cmoehring@camronaresources.com)

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	2/6/25	<i>[Signature]</i>	2/6/25 10:30

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-54141-1  
SDG Number: Lea County, New Mexico

Login Number: 54141

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 2/7/2025 2:23:46 PM

## JOB DESCRIPTION

White Falcon 16 State 1H (01.20.25)  
Lea County, New Mexico

## JOB NUMBER

880-54142-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



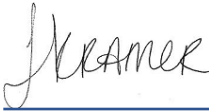
Eurofins Midland

Job Notes

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

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

Authorization



Generated  
2/7/2025 2:23:46 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: White Falcon 16 State 1H (01.20.25)

Laboratory Job ID: 880-54142-1  
SDG: Lea County, New Mexico

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## Definitions/Glossary

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54142-1  
SDG: Lea County, New Mexico

## Qualifiers

## GC VOA

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

## GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
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.

## 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: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54142-1

**Job ID: 880-54142-1**

**Eurofins Midland**

### Job Narrative 880-54142-1

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 2/6/2025 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.7°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-54142-1), H-2 (0-0.5') (880-54142-2), H-3 (0-0.5') (880-54142-3), H-4 (0-0.5') (880-54142-4) and H-5 (0-0.5') (880-54142-5).

#### 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 surrogate recovery for the blank associated with preparation batch 880-102176 and analytical batch 880-102160 was outside the upper control limits.

Method 8015MOD\_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCSD 880-102176/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD\_NM: The laboratory control sample (LCS) associated with preparation batch 880-102176 and analytical batch 880-102160 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

#### HPLC/IC

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

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## Client Sample Results

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54142-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-54142-1

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 17:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 17:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 17:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/06/25 11:01	02/06/25 17:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 17:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/06/25 11:01	02/06/25 17:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	02/06/25 11:01	02/06/25 17:59	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/06/25 11:01	02/06/25 17:59	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			02/06/25 17:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/06/25 21:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/06/25 10:59	02/06/25 21:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		02/06/25 10:59	02/06/25 21:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/25 10:59	02/06/25 21:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	02/06/25 10:59	02/06/25 21:52	1
o-Terphenyl	88		70 - 130	02/06/25 10:59	02/06/25 21:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/06/25 17:48	1

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

Lab Sample ID: 880-54142-2

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 18:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 18:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 18:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/06/25 11:01	02/06/25 18:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 18:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/06/25 11:01	02/06/25 18:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	02/06/25 11:01	02/06/25 18:19	1
1,4-Difluorobenzene (Surr)	99		70 - 130	02/06/25 11:01	02/06/25 18:19	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54142-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-54142-2

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

## 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			02/06/25 18:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/06/25 22:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/06/25 10:59	02/06/25 22:07	1
Diesel Range Organics (Over C10-C28)	<49.7	U *	49.7		mg/Kg		02/06/25 10:59	02/06/25 22:07	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/06/25 10:59	02/06/25 22:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				02/06/25 10:59	02/06/25 22:07	1
o-Terphenyl	90		70 - 130				02/06/25 10:59	02/06/25 22:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.0		9.90		mg/Kg			02/06/25 17:55	1

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

Lab Sample ID: 880-54142-3

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 18:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 18:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 18:40	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/06/25 11:01	02/06/25 18:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 18:40	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/06/25 11:01	02/06/25 18:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				02/06/25 11:01	02/06/25 18:40	1
1,4-Difluorobenzene (Surr)	98		70 - 130				02/06/25 11:01	02/06/25 18:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/06/25 18:40	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			02/06/25 22:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/06/25 10:59	02/06/25 22:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U *	49.8		mg/Kg		02/06/25 10:59	02/06/25 22:24	1

Eurofins Midland



## Client Sample Results

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54142-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-54142-3

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/06/25 10:59	02/06/25 22:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				02/06/25 10:59	02/06/25 22:24	1
o-Terphenyl	92		70 - 130				02/06/25 10:59	02/06/25 22:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			02/06/25 18:03	1

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

Lab Sample ID: 880-54142-4

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 19:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 19:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 19:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/06/25 11:01	02/06/25 19:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 19:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/06/25 11:01	02/06/25 19:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				02/06/25 11:01	02/06/25 19:00	1
1,4-Difluorobenzene (Surr)	98		70 - 130				02/06/25 11:01	02/06/25 19:00	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			02/06/25 19:00	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			02/06/25 22:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/06/25 10:59	02/06/25 22:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U *	49.8		mg/Kg		02/06/25 10:59	02/06/25 22:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/06/25 10:59	02/06/25 22:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				02/06/25 10:59	02/06/25 22:39	1
o-Terphenyl	98		70 - 130				02/06/25 10:59	02/06/25 22:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.2		10.1		mg/Kg			02/07/25 10:50	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54142-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-54142-5

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 19:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 19:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 19:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/06/25 11:01	02/06/25 19:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/06/25 11:01	02/06/25 19:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/06/25 11:01	02/06/25 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	02/06/25 11:01	02/06/25 19:21	1
1,4-Difluorobenzene (Surr)	99		70 - 130	02/06/25 11:01	02/06/25 19:21	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			02/06/25 19:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/06/25 22:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/06/25 10:59	02/06/25 22:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U *	49.8		mg/Kg		02/06/25 10:59	02/06/25 22:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/06/25 10:59	02/06/25 22:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	02/06/25 10:59	02/06/25 22:56	1
o-Terphenyl	90		70 - 130	02/06/25 10:59	02/06/25 22:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			02/07/25 10:56	1

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## Surrogate Summary

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54142-1  
SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-54141-A-1-B MS	Matrix Spike	91	112
880-54141-A-1-C MSD	Matrix Spike Duplicate	98	105
880-54142-1	H-1 (0-0.5')	104	97
880-54142-2	H-2 (0-0.5')	99	99
880-54142-3	H-3 (0-0.5')	101	98
880-54142-4	H-4 (0-0.5')	97	98
880-54142-5	H-5 (0-0.5')	103	99
LCS 880-102178/1-A	Lab Control Sample	116	129
LCSD 880-102178/2-A	Lab Control Sample Dup	96	115
MB 880-102178/5-A	Method Blank	96	93
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-54141-A-1-F MS	Matrix Spike	117	108
880-54141-A-1-G MSD	Matrix Spike Duplicate	112	98
880-54142-1	H-1 (0-0.5')	114	88
880-54142-2	H-2 (0-0.5')	114	90
880-54142-3	H-3 (0-0.5')	114	92
880-54142-4	H-4 (0-0.5')	126	98
880-54142-5	H-5 (0-0.5')	108	90
LCS 880-102176/2-A	Lab Control Sample	88	78
LCSD 880-102176/3-A	Lab Control Sample Dup	61 S1-	55 S1-
MB 880-102176/1-A	Method Blank	187 S1+	151 S1+
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

## QC Sample Results

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54142-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-102178/5-A

Matrix: Solid

Analysis Batch: 101988

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102178

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 12:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 12:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 12:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/06/25 11:01	02/06/25 12:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/06/25 11:01	02/06/25 12:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/06/25 11:01	02/06/25 12:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	02/06/25 11:01	02/06/25 12:39	1
1,4-Difluorobenzene (Surr)	93		70 - 130	02/06/25 11:01	02/06/25 12:39	1

Lab Sample ID: LCS 880-102178/1-A

Matrix: Solid

Analysis Batch: 101988

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102178

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1214		mg/Kg		121	70 - 130
Toluene	0.100	0.1060		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1174		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	0.200	0.2402		mg/Kg		120	70 - 130
o-Xylene	0.100	0.1194		mg/Kg		119	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	129		70 - 130

Lab Sample ID: LCSD 880-102178/2-A

Matrix: Solid

Analysis Batch: 101988

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102178

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1010		mg/Kg		101	70 - 130	18	35
Toluene	0.100	0.08827		mg/Kg		88	70 - 130	18	35
Ethylbenzene	0.100	0.09811		mg/Kg		98	70 - 130	18	35
m-Xylene & p-Xylene	0.200	0.2007		mg/Kg		100	70 - 130	18	35
o-Xylene	0.100	0.09958		mg/Kg		100	70 - 130	18	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: 880-54141-A-1-B MS

Matrix: Solid

Analysis Batch: 101988

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 102178

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.09771		mg/Kg		98	70 - 130
Toluene	<0.00200	U	0.0998	0.08452		mg/Kg		85	70 - 130

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## QC Sample Results

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54142-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-54141-A-1-B MS

Matrix: Solid

Analysis Batch: 101988

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 102178

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0998	0.09304		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1926		mg/Kg		96	70 - 130
o-Xylene	<0.00200	U	0.0998	0.09513		mg/Kg		95	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-54141-A-1-C MSD

Matrix: Solid

Analysis Batch: 101988

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 102178

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.09013		mg/Kg		90	70 - 130	8	35
Toluene	<0.00200	U	0.0996	0.07665		mg/Kg		77	70 - 130	10	35
Ethylbenzene	<0.00200	U	0.0996	0.08344		mg/Kg		84	70 - 130	11	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1736		mg/Kg		87	70 - 130	10	35
o-Xylene	<0.00200	U	0.0996	0.08764		mg/Kg		88	70 - 130	8	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

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

Lab Sample ID: MB 880-102176/1-A

Matrix: Solid

Analysis Batch: 102160

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102176

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/06/25 10:59	02/06/25 17:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/06/25 10:59	02/06/25 17:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/06/25 10:59	02/06/25 17:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	187	S1+	70 - 130	02/06/25 10:59	02/06/25 17:35	1
o-Terphenyl	151	S1+	70 - 130	02/06/25 10:59	02/06/25 17:35	1

Lab Sample ID: LCS 880-102176/2-A

Matrix: Solid

Analysis Batch: 102160

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102176

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	861.0		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	800.5		mg/Kg		80	70 - 130

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## QC Sample Results

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54142-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-102176/2-A

Matrix: Solid

Analysis Batch: 102160

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102176

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	78		70 - 130

Lab Sample ID: LCSD 880-102176/3-A

Matrix: Solid

Analysis Batch: 102160

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102176

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	710.4		mg/Kg		71	70 - 130	19	20
Diesel Range Organics (Over C10-C28)	1000	693.6	*-	mg/Kg		69	70 - 130	14	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	61	S1-	70 - 130
o-Terphenyl	55	S1-	70 - 130

Lab Sample ID: 880-54141-A-1-F MS

Matrix: Solid

Analysis Batch: 102160

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 102176

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	993	1125		mg/Kg		113	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U *-	993	1214		mg/Kg		122	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 880-54141-A-1-G MSD

Matrix: Solid

Analysis Batch: 102160

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 102176

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	993	1059		mg/Kg		107	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.9	U *-	993	1099		mg/Kg		111	70 - 130	10	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	98		70 - 130

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## QC Sample Results

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54142-1  
SDG: Lea County, New Mexico

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-102169/1-A

Matrix: Solid

Analysis Batch: 102180

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/06/25 14:04	1

Lab Sample ID: LCS 880-102169/2-A

Matrix: Solid

Analysis Batch: 102180

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.8		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-102169/3-A

Matrix: Solid

Analysis Batch: 102180

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	262.1		mg/Kg		105	90 - 110	2	20

Lab Sample ID: 880-54141-A-4-B MS

Matrix: Solid

Analysis Batch: 102180

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<10.0	U	250	279.6		mg/Kg		109	90 - 110

Lab Sample ID: 880-54141-A-4-C MSD

Matrix: Solid

Analysis Batch: 102180

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<10.0	U	250	279.2		mg/Kg		109	90 - 110	0	20

Lab Sample ID: MB 880-102227/1-A

Matrix: Solid

Analysis Batch: 102265

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/07/25 09:18	1

Lab Sample ID: LCS 880-102227/2-A

Matrix: Solid

Analysis Batch: 102265

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.1		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-102227/3-A

Matrix: Solid

Analysis Batch: 102265

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	257.6		mg/Kg		103	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54142-1  
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-7643-A-8-B MS											Client Sample ID: Matrix Spike	
Matrix: Solid											Prep Type: Soluble	
Analysis Batch: 102265												
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	271		250	531.6		mg/Kg		104	90 - 110			

Lab Sample ID: 890-7643-A-8-C MSD											Client Sample ID: Matrix Spike Duplicate	
Matrix: Solid											Prep Type: Soluble	
Analysis Batch: 102265												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	RPD Limit
Chloride	271		250	534.2		mg/Kg		105	90 - 110		0	20

## QC Association Summary

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54142-1  
SDG: Lea County, New Mexico

## GC VOA

## Analysis Batch: 101988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54142-1	H-1 (0-0.5')	Total/NA	Solid	8021B	102178
880-54142-2	H-2 (0-0.5')	Total/NA	Solid	8021B	102178
880-54142-3	H-3 (0-0.5')	Total/NA	Solid	8021B	102178
880-54142-4	H-4 (0-0.5')	Total/NA	Solid	8021B	102178
880-54142-5	H-5 (0-0.5')	Total/NA	Solid	8021B	102178
MB 880-102178/5-A	Method Blank	Total/NA	Solid	8021B	102178
LCS 880-102178/1-A	Lab Control Sample	Total/NA	Solid	8021B	102178
LCSD 880-102178/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	102178
880-54141-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	102178
880-54141-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	102178

## Prep Batch: 102178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54142-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-54142-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-54142-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-54142-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-54142-5	H-5 (0-0.5')	Total/NA	Solid	5035	
MB 880-102178/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-102178/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-102178/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-54141-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-54141-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 102294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54142-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-54142-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-54142-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-54142-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-54142-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Analysis Batch: 102160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54142-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	102176
880-54142-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	102176
880-54142-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	102176
880-54142-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	102176
880-54142-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	102176
MB 880-102176/1-A	Method Blank	Total/NA	Solid	8015B NM	102176
LCS 880-102176/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	102176
LCSD 880-102176/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	102176
880-54141-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	102176
880-54141-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	102176

## Prep Batch: 102176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54142-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-54142-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54142-1  
SDG: Lea County, New Mexico

## GC Semi VOA (Continued)

## Prep Batch: 102176 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54142-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-54142-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-54142-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-102176/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-102176/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-102176/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-54141-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-54141-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 102276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54142-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-54142-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-54142-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-54142-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-54142-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 102169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54142-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-54142-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-54142-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-102169/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-102169/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-102169/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-54141-A-4-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-54141-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

## Analysis Batch: 102180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54142-1	H-1 (0-0.5')	Soluble	Solid	300.0	102169
880-54142-2	H-2 (0-0.5')	Soluble	Solid	300.0	102169
880-54142-3	H-3 (0-0.5')	Soluble	Solid	300.0	102169
MB 880-102169/1-A	Method Blank	Soluble	Solid	300.0	102169
LCS 880-102169/2-A	Lab Control Sample	Soluble	Solid	300.0	102169
LCSD 880-102169/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	102169
880-54141-A-4-B MS	Matrix Spike	Soluble	Solid	300.0	102169
880-54141-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	102169

## Leach Batch: 102227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54142-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-54142-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-102227/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-102227/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-102227/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7643-A-8-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-7643-A-8-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54142-1  
SDG: Lea County, New Mexico

HPLC/IC

Analysis Batch: 102265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54142-4	H-4 (0-0.5')	Soluble	Solid	300.0	102227
880-54142-5	H-5 (0-0.5')	Soluble	Solid	300.0	102227
MB 880-102227/1-A	Method Blank	Soluble	Solid	300.0	102227
LCS 880-102227/2-A	Lab Control Sample	Soluble	Solid	300.0	102227
LCSD 880-102227/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	102227
890-7643-A-8-B MS	Matrix Spike	Soluble	Solid	300.0	102227
890-7643-A-8-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	102227

## Lab Chronicle

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54142-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-54142-1

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	102178	02/06/25 11:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101988	02/06/25 17:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102294	02/06/25 17:59	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102276	02/06/25 21:52	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	102176	02/06/25 10:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102160	02/06/25 21:52	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	102169	02/06/25 10:52	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102180	02/06/25 17:48	SMC	EET MID

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

Lab Sample ID: 880-54142-2

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	102178	02/06/25 11:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101988	02/06/25 18:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102294	02/06/25 18:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102276	02/06/25 22:07	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	102176	02/06/25 10:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102160	02/06/25 22:07	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	102169	02/06/25 10:52	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102180	02/06/25 17:55	SMC	EET MID

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

Lab Sample ID: 880-54142-3

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	102178	02/06/25 11:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101988	02/06/25 18:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102294	02/06/25 18:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102276	02/06/25 22:24	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	102176	02/06/25 10:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102160	02/06/25 22:24	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	102169	02/06/25 10:52	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102180	02/06/25 18:03	SMC	EET MID

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

Lab Sample ID: 880-54142-4

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	102178	02/06/25 11:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101988	02/06/25 19:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102294	02/06/25 19:00	AJ	EET MID

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54142-1  
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-54142-4

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			102276	02/06/25 22:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	102176	02/06/25 10:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102160	02/06/25 22:39	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	102227	02/07/25 07:50	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102265	02/07/25 10:50	CH	EET MID

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

Lab Sample ID: 880-54142-5

Date Collected: 02/05/25 00:00

Matrix: Solid

Date Received: 02/06/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	102178	02/06/25 11:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101988	02/06/25 19:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102294	02/06/25 19:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102276	02/06/25 22:56	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	102176	02/06/25 10:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102160	02/06/25 22:56	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	102227	02/07/25 07:50	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102265	02/07/25 10:56	CH	EET MID

## Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54142-1  
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54142-1  
SDG: Lea County, New Mexico

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

**Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

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

Sample Summary

Client: Carmona Resources  
Project/Site: White Falcon 16 State 1H (01.20.25)

Job ID: 880-54142-1  
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-54142-1	H-1 (0-0.5')	Solid	02/05/25 00:00	02/06/25 10:30
880-54142-2	H-2 (0-0.5')	Solid	02/05/25 00:00	02/06/25 10:30
880-54142-3	H-3 (0-0.5')	Solid	02/05/25 00:00	02/06/25 10:30
880-54142-4	H-4 (0-0.5')	Solid	02/05/25 00:00	02/06/25 10:30
880-54142-5	H-5 (0-0.5')	Solid	02/05/25 00:00	02/06/25 10:30

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888-541 42 Chain of Custody

## Chain of Custody

Page 1 of 1

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

**Work Order Comments**

Program: ☐UST/☐PST ☐PRP ☐Brownfields ☐RRC ☐Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRP ☐ Level IV ☐

Deliverables: EDD ☐ ADAPT ☐ Other:

[illegible]

Comments: Email to Mike Carmona / [Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com) and Conner Moehring / [Cmoehring@carmonaresources.com](mailto:Cmoehring@carmonaresources.com)

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Pan Ramo</i>	2/6/25	<i>[Signature]</i>	2/6/25 1030

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## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-54142-1  
SDG Number: Lea County, New Mexico

Login Number: 54142

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	

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 445370

**QUESTIONS**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 445370
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2502128252
Incident Name	NAPP2502128252 WHITE FALCON 16 STATE 1H @ 0
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2203459585] White Falcon 16-formerly Yates RB

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	White Falcon 16 State 1H
Date Release Discovered	01/20/2025
Surface Owner	State

<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	Yes
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

<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: Freeze   Treating Tower   Crude Oil   Released: 0 BBL   Recovered: 0 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)	Emergency services were not notified Release was confined to the well pad Facility has been cleared by safety personnel



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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 445370

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 445370
	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)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Emergency services were not notified Release was confined to the well pad Facility has been cleared by safety personnel

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

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 02/27/2025
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QUESTIONS, Page 3

Action 445370

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 445370
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**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)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
<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	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

<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	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
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	42.5
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	49
GRO+DRO (EPA SW-846 Method 8015M)	49
BTEX (EPA SW-846 Method 8021B or 8260B)	0.1
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	02/05/2025
On what date will (or did) the final sampling or liner inspection occur	02/05/2025
On what date will (or was) the remediation complete(d)	02/05/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 445370

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	445370
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</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>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	<b>Yes</b>
Which OCD approved facility will be used for <b>off-site</b> disposal	<b>WHITE FALCON 16 STATE CTB [FRM1925933597]</b>
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	<i>Not answered.</i>
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	<i>Not answered.</i>
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	<i>Not answered.</i>
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	<b>No</b>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	<i>Not answered.</i>
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: <a href="mailto:brittany.Esparza@ConocoPhillips.com">brittany.Esparza@ConocoPhillips.com</a> Date: 03/25/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 445370

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 445370
	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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Action 445370

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 445370
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	445393
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/04/2025
What was the (estimated) number of samples that were to be gathered	15
What was the sampling surface area in square feet	1680

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	na
<p><i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i></p>	
<p>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.</p>	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: <a href="mailto:brittany.Esparza@ConocoPhillips.com">brittany.Esparza@ConocoPhillips.com</a> Date: 03/25/2025

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QUESTIONS, Page 7

Action 445370

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 445370
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 445370

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 445370
	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".	5/9/2025