



**SITE INFORMATION**

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**Closure Report**  
**Diamondback 22 State Com 5H (01.01.2026)**  
**Incident ID: nAPP2601654529**  
**Eddy County, New Mexico**  
**Unit A Sec 22 T26S R28E**  
**32.03436°, -104.0701°**

**Crude Oil Release**  
**Point of Release: Flare Fire**  
**Release Date: 1/01/2026**  
**Volume Released: 2 Barrel 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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March 27, 2026

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

**Re: Closure Report  
Diamondback 22 State Com 5H (1.01.2026)  
Incident ID: nAPP2601654529  
Concho Operating, LLC  
Site Location: Unit A, S22, T26S, R28E  
(Lat 32.03436°, Long -104.0701°)  
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Diamondback 22 State Com 5H Flare Fire (01.01.26). The site is located at 32.03436°, -104.0701° within Unit A, S22, T26S, R28E, in Eddy County, New Mexico (Figures 1 and 2).

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

Based on the Notification of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on January 1, 2026, due to a flare fire. The incident released approximately two (2) barrels of crude oil with zero (0) barrels of crude oil recovered. The impacted area occurred on pad, across the lease road, and into a portion of the pasture as shown in Figure 3. Refer to Appendix C for the Notice of Release.

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

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.63 miles Northeast of the release area in S15, T26S, R28E. The well was drilled in 2017 and has a reported depth to groundwater of 175 ft bgs (feet below ground surface). A copy of the associated Summary report is attached in Appendix D

### **3.0 NMAC Regulatory Criteria**

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

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

### **4.0 Site Assessment Activities**

#### **Initial Assessment**

On January 19, 2026, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of two (2) sample points (S-1 and S-2) and four (4) horizontal sample points (H-1 through H-4) were installed to total depths ranging from surface to 2' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples



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

#### Vertical Delineation

Vertical delineation was achieved for both sample point locations. All depth intervals for the area of S-2 were below the regulatory limits for TPH, BTEX, and chloride concentrations. The area of S-1 displayed elevated TPH concentrations at 6,380 mg/kg from the surface down to 1' bgs. Refer to Table 1.

#### Horizontal Delineation

All horizontal sample locations were below thresholds for TPH, BTEX, and chloride concentrations. See Table 1 for the results.

### **5.0 Remediation Activities**

Carmona Resources personnel were on site to mark out the proposed excavation areas and collect confirmation samples. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on February 4, 2026, per Subsection D of 19.15.29.12 NMAC. See Appendix C for the sampling notification. The northernmost area of S-1 was excavated to a total depth of 1.5' and measured approximately 30' x 25' to ensure the removal of all heavily stained material. On the other hand, the southernmost portion of S-1 was encountered to be less impacted and only excavated 0.25'. This area measured approximately 22' x 12'. A total of five (5) confirmation floor samples were collected (CS-1 through CS-5), and seven (7) sidewall samples (SW-1 through SW-7) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

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

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

Approximately 64 cubic yards of material were excavated and transported off-site for proper disposal.

### **6.0 Conclusions**

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

Sincerely,

**Carmona Resources, LLC**

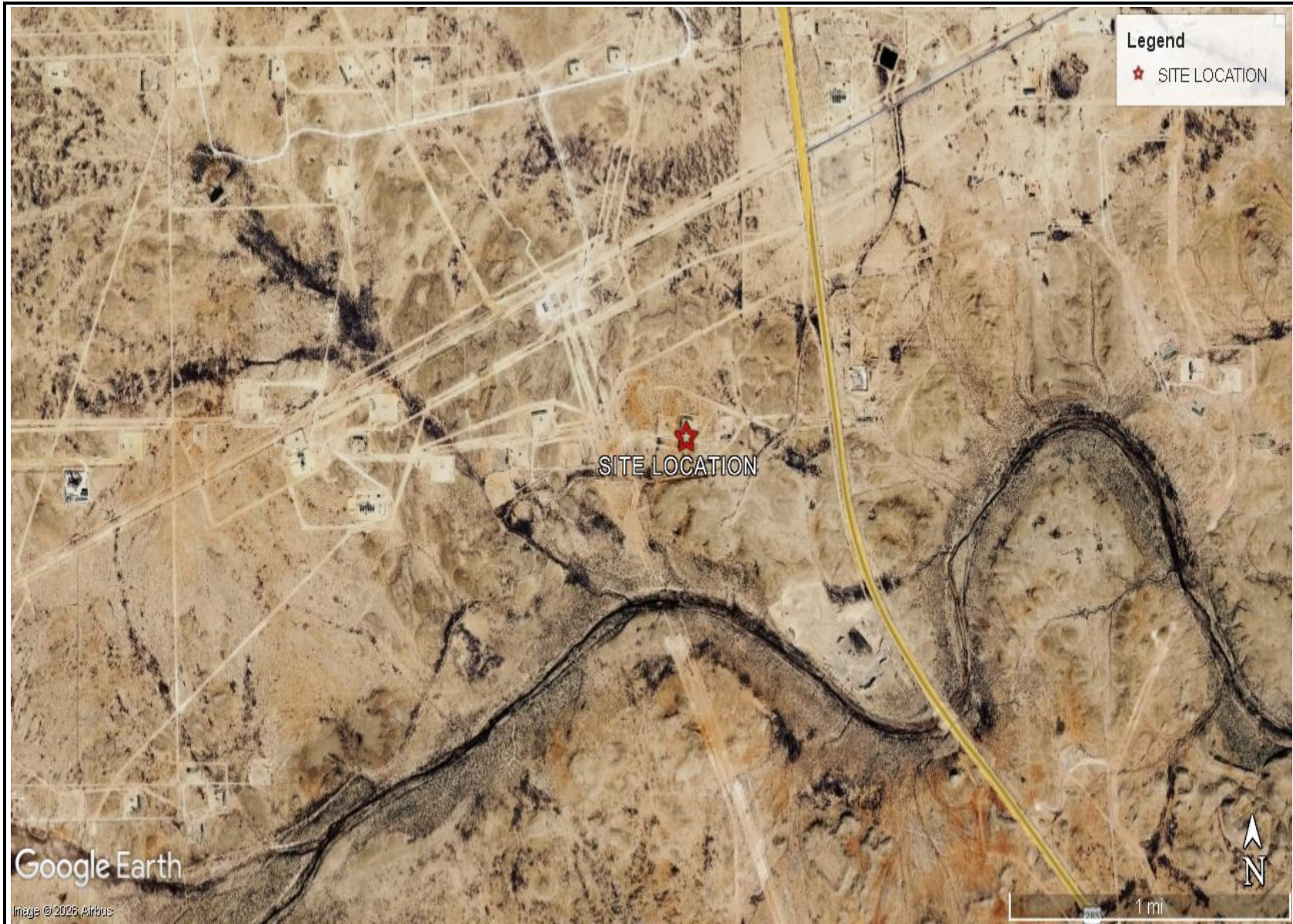
Conner Moehring  
Environmental Manager

Ivan Ramos  
Project Manager

# FIGURES

CARMONA RESOURCES

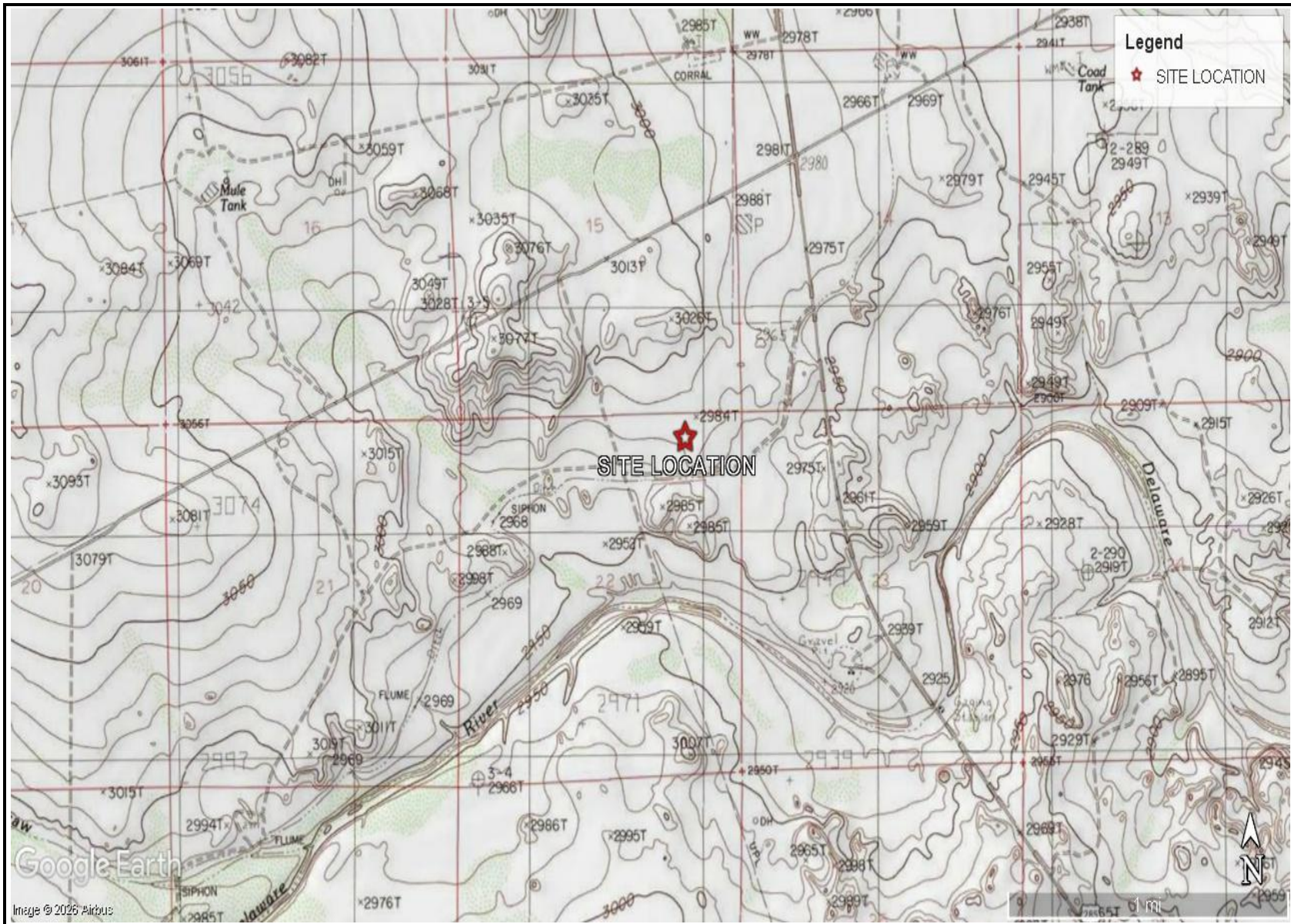




OVERVIEW MAP  
COG OPERATING, LLC  
DIAMONDBACK 22 STATE COM 5H (01.01.2026)  
EDDY COUNTY, NEW MEXICO  
32.03436°, -104.0701°



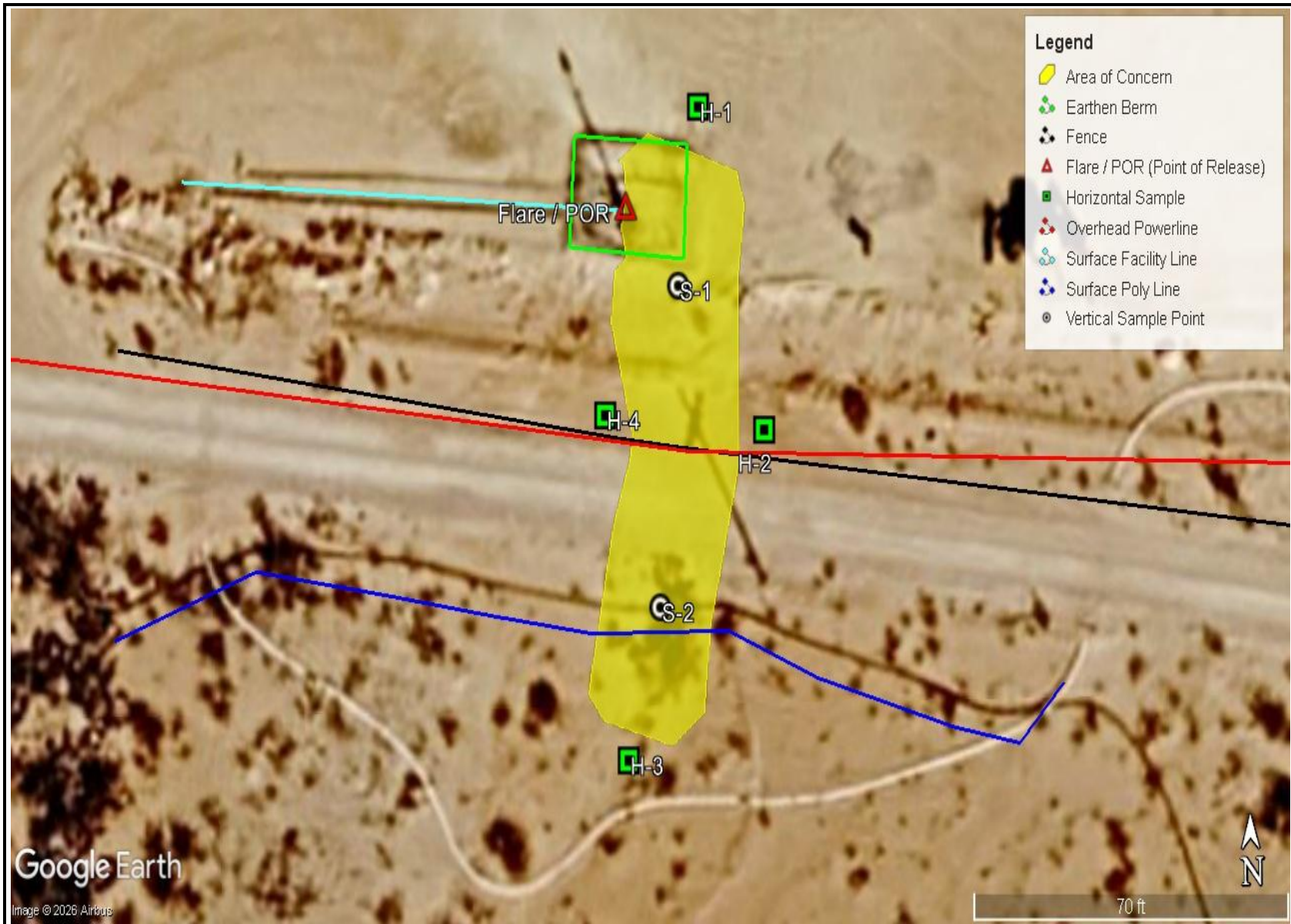
FIGURE 1




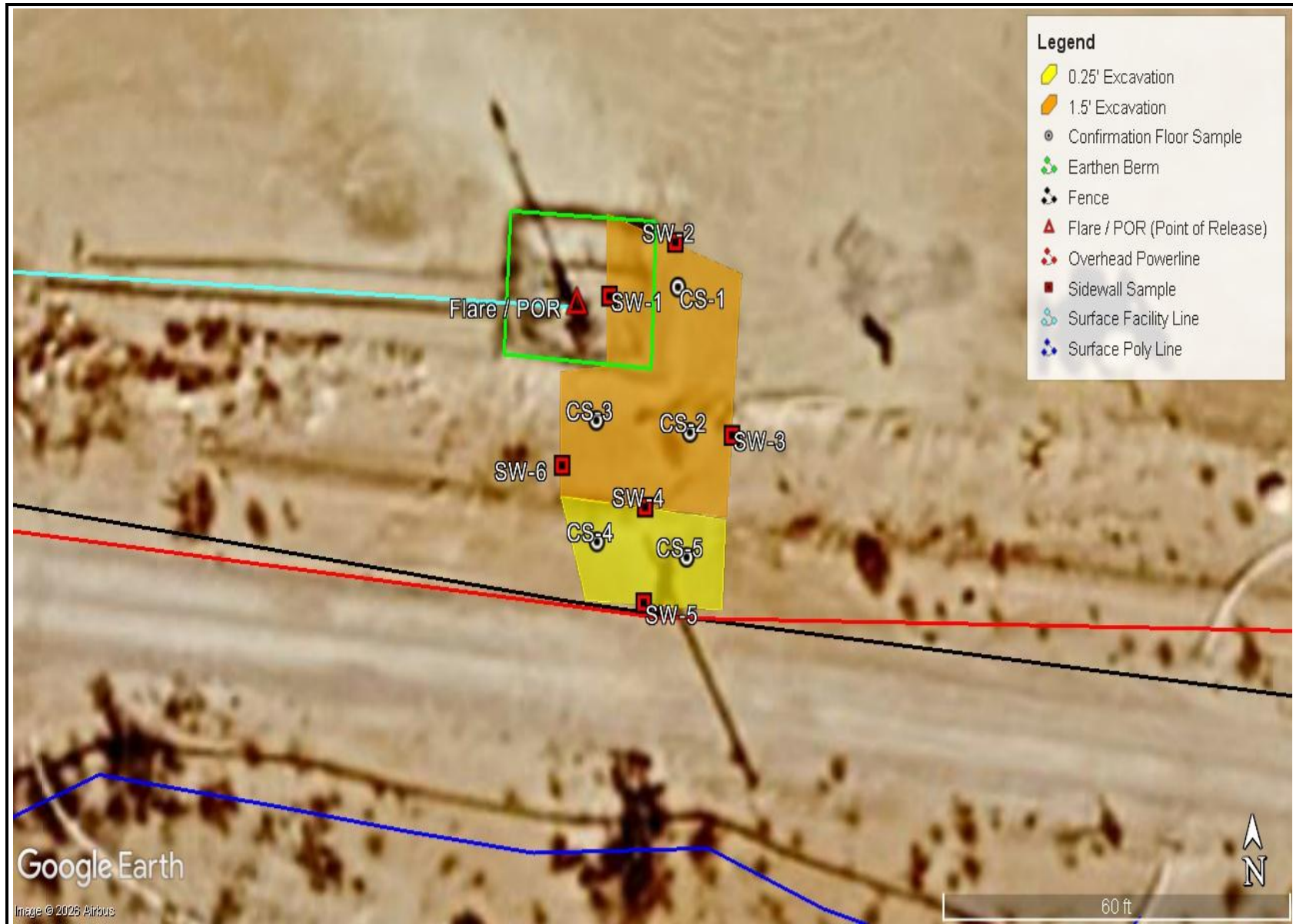
TOPOGRAPHIC MAP  
COG OPERATING, LLC  
DIAMONDBACK 22 STATE COM 5H (01.01.2026)  
EDDY COUNTY, NEW MEXICO  
32.03436°, -104.0701°



FIGURE 2



<p>SAMPLE LOCATION MAP COG OPERATING, LLC DIAMONDBACK 22 STATE COM 5H (01.01.2026) EDDY COUNTY, NEW MEXICO 32.03436°, -104.0701°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 3</p>
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EXCAVATION MAP  
COG OPERATING, LLC  
DIAMONDBACK 22 STATE COM 5H (01.01.2026)  
EDDY COUNTY, NEW MEXICO  
32.03436°, -104.0701°



FIGURE 4

# APPENDIX A

CARMONA RESOURCES



**Table 1**  
**Conoco Phillips**  
**Diamondback 22 State Com 5H Flare Fire (01.01.2026)**  
**Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
<b>S-1</b>	1/22/2026	0-1'	<249	<b>5,490</b>	<b>891</b>	<b>6,380</b>	<0.00198	<0.00198	0.00398	0.00510	0.00908	30.2
	"	1.5'	<50.0	57.5	<50.0	57.5	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	464
	"	2'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	175
<b>S-2</b>	1/22/2026	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	11.6
	"	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	174
	"	2'	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	153
<b>H-1</b>	1/22/2026	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	10.8
<b>H-2</b>	1/22/2026	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	13.8
<b>H-3</b>	1/22/2026	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	12.9
<b>H-4</b>	1/22/2026	0-0.5'	<49.5	<49.5	<49.5	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.92
<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 Point

Removed

**Table 2**  
**ConocoPhillips**  
**Diamondback 22 State Com 5H Flare Fire (01.01.2026)**  
**Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
<b>CS-1</b>	2/6/2026	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.96
<b>CS-2</b>	2/6/2026	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	63.2
<b>CS-3</b>	2/6/2026	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	68.1
<b>CS-4</b>	2/6/2026	0.25'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	67.3
<b>CS-5</b>	2/6/2026	0.25'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	63.7
<b>SW-1</b>	2/6/2026	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.92
<b>SW-2</b>	2/6/2026	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.1
<b>SW-3</b>	2/6/2026	1.5'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.0
<b>SW-4</b>	2/6/2026	0.25' - 1.5'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<9.94
<b>SW-5</b>	2/6/2026	0.25'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.92
<b>SW-6</b>	2/6/2026	0.25'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<9.98
<b>SW-7</b>	2/6/2026	0.25'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<10.0
<b>Backfill</b>	2/6/2026	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	15.4
<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

(CS) - Confirmation Sample

(SW) - Sidewall Sample

## APPENDIX B

CARMONA RESOURCES



# PHOTOGRAPHIC LOG

## Concho Operating, LLC

### Photograph No. 1

**Facility:** Diamondback 22 State Com 5H  
(01.01.2026)

**County:** Eddy County, New Mexico

**Description:**  
View Southeast, area of CS-1 through CS-3.

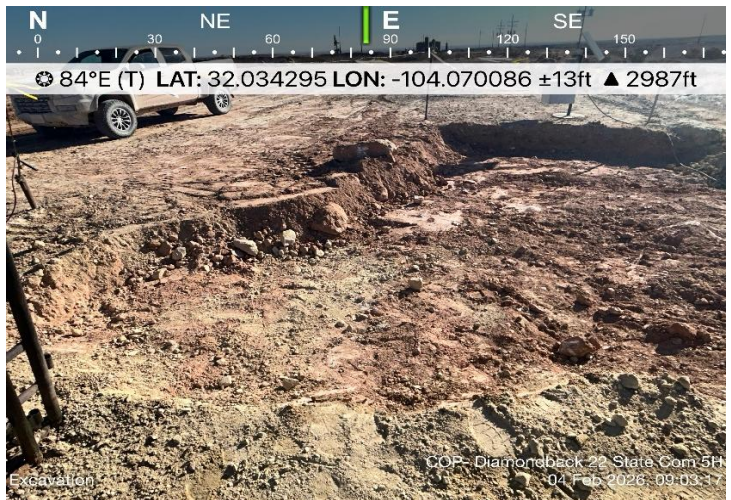


### Photograph No. 2

**Facility:** Diamondback 22 State Com 5H  
(01.01.2026)

**County:** Eddy County, New Mexico

**Description:**  
View East, area of CS-1 through CS-3.



### Photograph No. 3

**Facility:** Diamondback 22 State Com 5H  
(01.01.2026)

**County:** Eddy County, New Mexico

**Description:**  
View Southeast, area of CS-4 and CS-5.



# PHOTOGRAPHIC LOG

## Concho Operating, LLC

### Photograph No. 4

**Facility:** Diamondback 22 State Com 5H  
(01.01.2026)

**County:** Eddy County, New Mexico

**Description:**  
View Southeast, area of CS-5.

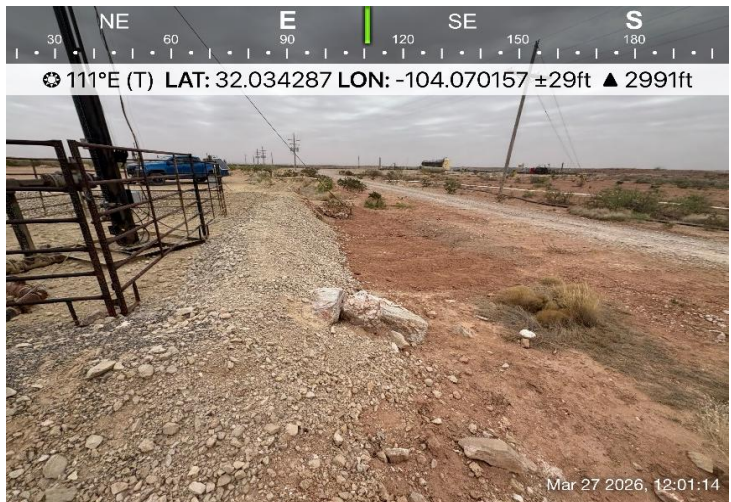


### Photograph No. 5

**Facility:** Diamondback 22 State Com 5H  
(01.01.2026)

**County:** Eddy County, New Mexico

**Description:**  
View East of backfilled excavation.



### Photograph No. 6

**Facility:** Diamondback 22 State Com 5H  
(01.01.2026)

**County:** Eddy County, New Mexico

**Description:**  
View Northwest of backfilled excavation and restored firewall around flare equipment.



## 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 544134

**QUESTIONS**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 544134
	Action Type: [NOTIFY] Notification Of Release (NOR)

**QUESTIONS**

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	Diamondback 22 St Com 5H
Date Release Discovered	01/01/2026
Surface Owner	State

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Flare
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: Equipment Failure   Valve   Crude Oil   Released: 2 BBL   Recovered: 0 BBL   Lost: 2 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 544134

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 544134
	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.
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

**Initial Response**

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

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

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

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

ACKNOWLEDGMENTS

Action 544134

**ACKNOWLEDGMENTS**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 544134
	Action Type: [NOTIFY] Notification Of Release (NOR)

**ACKNOWLEDGMENTS**

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

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

CONDITIONS

Action 544134

**CONDITIONS**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 544134
	Action Type: [NOTIFY] Notification Of Release (NOR)

**CONDITIONS**

Created By	Condition	Condition Date
jacquih	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	1/16/2026

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

QUESTIONS

Action 550230

**QUESTIONS**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 550230
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2601654529
Incident Name	NAPP2601654529 DIAMONDBACK 22 ST COM 5H @ A-22-26S-28E
Incident Type	Flare
Incident Status	Notification Accepted

<b>Location of Release Source</b>	
Site Name	Diamondback 22 St Com 5H
Date Release Discovered	01/01/2026
Surface Owner	State

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	950
What is the estimated number of samples that will be gathered	11
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/06/2026
Time sampling will commence	11:00 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources 4328136823
Please provide any information necessary for navigation to sampling site	Coordinates on C141

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

CONDITIONS

Action 550230

**CONDITIONS**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 550230
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
jacquih	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/4/2026
jacquih	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	2/4/2026

## APPENDIX D

CARMONA RESOURCES

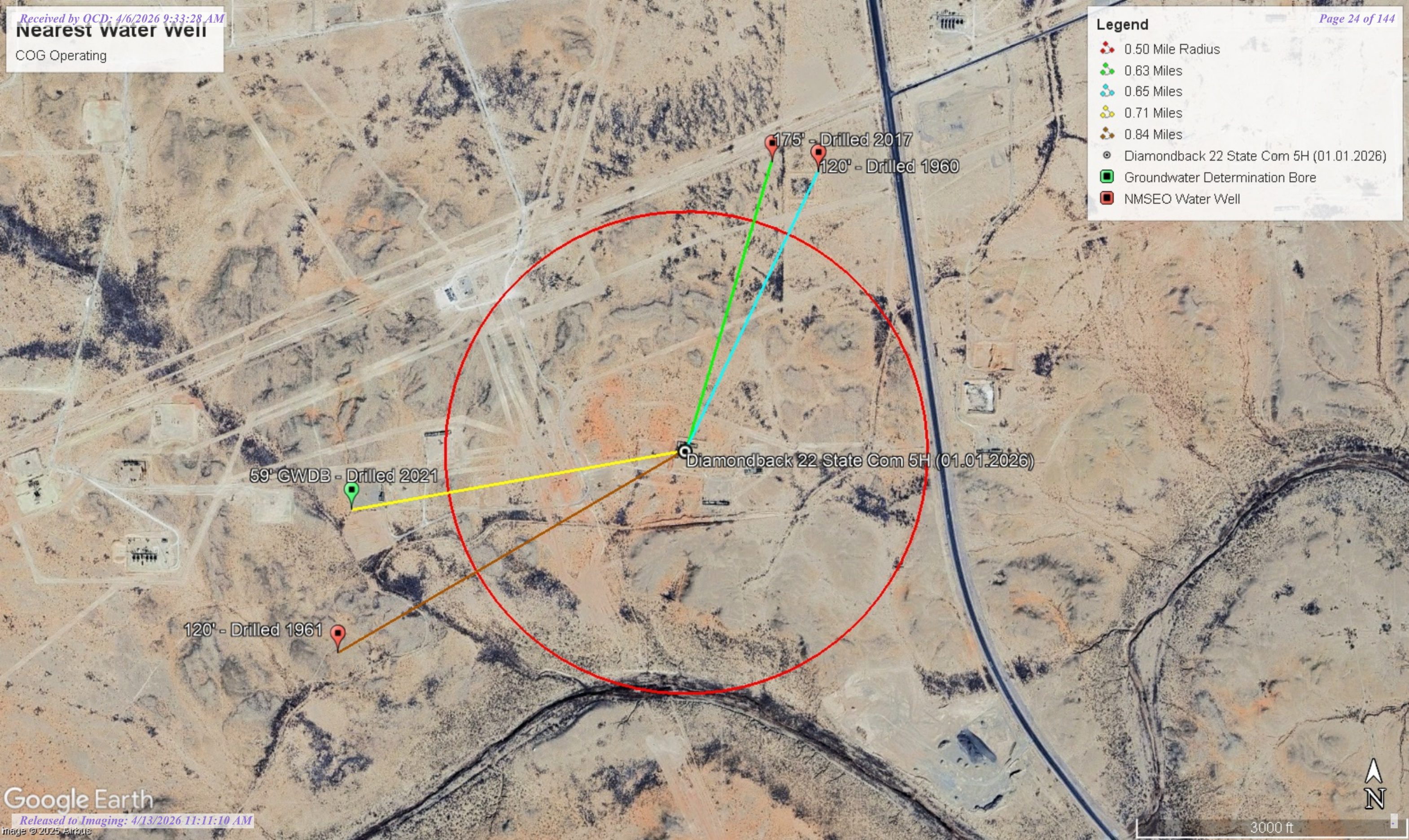


# Nearest water well

COG Operating

**Legend**

- 0.50 Mile Radius
- 0.63 Miles
- 0.65 Miles
- 0.71 Miles
- 0.84 Miles
- Diamondback 22 State Com 5H (01.01.2026)
- Groundwater Determination Bore
- NMSEO Water Well

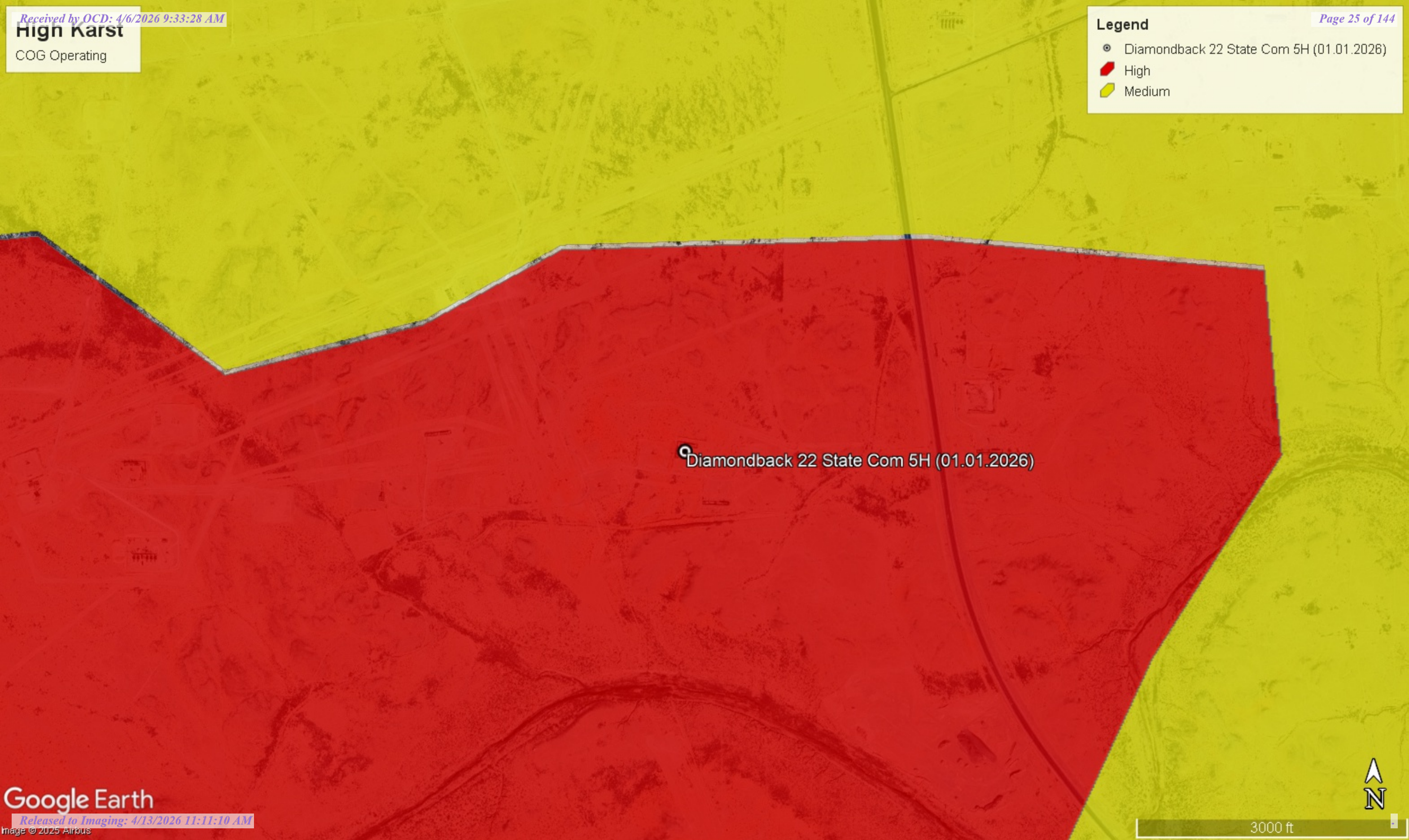


# High Karst

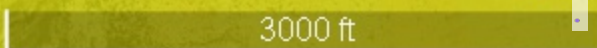
COG Operating

**Legend**

- Diamondback 22 State Com 5H (01.01.2026)
- High
- Medium



Diamondback 22 State Com 5H (01.01.2026)





# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
<a href="#">C 04022 POD1</a>		CUB	ED	SE	SE	NE	15	26S	28E	588081.6	3545647.1	●	1005	220	175	45
<a href="#">C 02160 S6</a>		CUB	ED	SW	SW	NW	14	26S	28E	588232.0	3545635.0 *	●	1046	300	120	180
<a href="#">C 02160 S7</a>		CUB	ED	SW	SW	NW	22	26S	28E	586638.0	3543998.0 *	●	1348	300	120	180
<a href="#">C 02481</a>		CUB	ED		NW	NW	14	26S	28E	588326.0	3546138.0 *	●	1548	200		
<a href="#">C 02160 S5</a>		CUB	ED	NW	NW	NW	14	26S	28E	588225.0	3546237.0 *	●	1612	300	120	180
<a href="#">C 04022 POD2</a>		CUB	ED	NE	NE	NE	27	26S	28E	588106.4	3543082.2	●	1628	250	145	105
<a href="#">C 02479</a>		CUB	ED		SE	SE	10	26S	28E	587909.0	3546534.0 *	●	1855	200		
<a href="#">C 02480</a>		CUB	ED		SE	SE	10	26S	28E	587909.0	3546534.0 *	●	1855	150		
<a href="#">C 02160 S3</a>		CUB	ED	NE	NE	NW	14	26S	28E	588834.0	3546241.0 *	●	1870	300	120	180
<a href="#">C 02160 S4</a>		CUB	ED	NE	NE	NW	14	26S	28E	588834.0	3546241.0 *	●	1870	300	120	180
<a href="#">C 02160</a>		CUB	ED	SE	NW	NE	14	26S	28E	589243.0	3546044.0 *	●	1983	300	120	180
<a href="#">C 02160 S</a>		CUB	ED	NW	NW	NE	14	26S	28E	589043.0	3546244.0 *	●	1996	300	120	180
<a href="#">C 02160 S2</a>		CUB	ED	NW	NW	NE	14	26S	28E	589043.0	3546244.0 *	●	1996	300	120	180
<a href="#">C 04863 POD1</a>		CUB	ED	NE	NW	NE	14	26S	28E	589239.2	3546295.5	●	2161	105		
<a href="#">C 01668</a>		CUB	ED		SW	SW	12	26S	28E	589957.0	3546554.0 *	●	2855	250	100	150
<a href="#">C 02160 S8</a>		CUB	ED	NE	SW	SW	12	26S	28E	590056.0	3546653.0 *	●	2995	200	120	80
<a href="#">C 02924</a>		C	ED	NW	SW	NE	11	26S	28E	589032.0	3547451.0 *	●	3030			
<a href="#">C 02894</a>		C	ED	NE	NE	SW	12	26S	28E	590458.0	3547061.0 *	●	3566	240		

Average Depth to Water: **125 feet**

Minimum Depth: **100 feet**

Maximum Depth: **175 feet**

**Record Count:** 18

**UTM Filters (in meters):**

**Easting:** 587800.55

**Northing:** 3544681.84

**Radius:** 4000

\* UTM location was derived from PLSS - see Help

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



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National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater Geographic Area: New Mexico GO

Click to hide News Bulletins

- See the [Water Data for the Nation Blog](#) for the latest news and updates.

Groundwater levels for New Mexico

Click to hide state-specific text

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

**Search Results -- 1 sites found**

Agency code = usgs  
site\_no list =  
• 320145104041701

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

**USGS 320145104041701 26S.28E.22.234431**

Eddy County, New Mexico  
Latitude 32°01'45", Longitude 104°04'17" NAD27  
Land-surface elevation 2,980 feet above NGVD29  
The depth of the well is 23.00 feet below land surface.  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

**Output formats**

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source
1987-12-12			D 62610		2958.98	NGVD29	1	S		
1987-12-12			D 62611		2960.55	NAVD88	1	S		
1987-12-12			D 72019	21.02			1	S		
1998-01-22			D 62610		2957.65	NGVD29	1	S		
1998-01-22			D 62611		2959.22	NAVD88	1	S		
1998-01-22			D 72019	22.35			1	S		

**Explanation**

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988

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

- [Questions about sites/data?](#)
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**Title: Groundwater for New Mexico: Water Levels**

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



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

Page Last Modified: 2022-12-12 18:38:31 EST

0.27 0.24 nadww01



# New Mexico Office of the State Engineer

## Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)				(NAD83 UTM in meters)			
		Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	04022 POD1	4	4	2	15	26S	28E	588082	3545647

<b>Driller License:</b>	1184	<b>Driller Company:</b>	WEST TEXAS WATER WELL SERVICE		
<b>Driller Name:</b>	KEITH, RONNY				
<b>Drill Start Date:</b>	05/01/2017	<b>Drill Finish Date:</b>	05/05/2017	<b>Plug Date:</b>	
<b>Log File Date:</b>	06/05/2017	<b>PCW Rev Date:</b>		<b>Source:</b>	Shallow
<b>Pump Type:</b>		<b>Pipe Discharge Size:</b>		<b>Estimated Yield:</b>	1 GPM
<b>Casing Size:</b>	12.25	<b>Depth Well:</b>	220 feet	<b>Depth Water:</b>	175 feet

Water Bearing Stratifications:	Top	Bottom	Description
	175	180	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	160	220

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

12/12/22 4:35 PM

POINT OF DIVERSION SUMMARY



# New Mexico Office of the State Engineer Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)	
		Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	02160 S6	3	3	1	14	26S	28E	588232	3545635*

<b>Driller License:</b>	<b>Driller Company:</b>		
<b>Driller Name:</b> HEMLER			
<b>Drill Start Date:</b>	<b>Drill Finish Date:</b> 11/01/1960	<b>Plug Date:</b>	
<b>Log File Date:</b>	<b>PCW Rev Date:</b>	<b>Source:</b> Shallow	
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b>	
<b>Casing Size:</b>	<b>Depth Well:</b> 300 feet	<b>Depth Water:</b> 120 feet	

\*UTM location was derived from PLSS - see Help

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12/12/22 4:35 PM

POINT OF DIVERSION SUMMARY



<b>Project Name :</b>	<b>Diamondback 22 State 2H(08.30.2021)</b>	<b>Date :</b>	<b>November 16, 2021</b>
<b>Project No. :</b>	<b>214634</b>	<b>Sampler :</b>	<b>Clint Merritt</b>
<b>Location :</b>	<b>Eddy Co, New Mexico</b>	<b>Driller :</b>	<b>Scarborough Drilling</b>
<b>Coordinates :</b>	<b>32.03314°, -104.08201°</b>	<b>Method :</b>	<b>Air Rotary</b>
<b>Elevation :</b>	<b>2,991'</b>		

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		(0') - Yellowish Orange/White well graded gravel with <50% coarse sand and caliche (GW). Dry		50		(50') - Light brown soft clay with <50% fine loose sand (CL). Dry	
5		(5') - Light reddish brown loose, medium sand with <50% fine well cemented gravel (SW). Dry		55			
10		(10') - Light reddish brown/ white loose fine sand with <25% fine well cemented gravel (SW). Dry		60		(59') - Light brown soft clay with 50% fine loose sand (CL). Moist	
15				65			
20		(20') - Light brown loose fine sand with <25% fine poorly cemented gravel and trace gypsum (SM). Dry		70			
25		(25') - White fine very loose sand with 100% gypsum (ML). Dry		75			
30				80			
35				85			
40				90			
45				95			
50				100			

Comments : Total Depth 59' bgs  
 Drilling Terminated @ 14:00 CT No groundwater present

On 11/19/2021 No groundwater present



# New Mexico Office of the State Engineer Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)	
		Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	02160 S7	3	3	1	22	26S	28E	586638	3543998*

<b>Driller License:</b>	<b>Driller Company:</b>		
<b>Driller Name:</b>	HEMLER		
<b>Drill Start Date:</b>	<b>Drill Finish Date:</b>	01/01/1961	<b>Plug Date:</b>
<b>Log File Date:</b>	<b>PCW Rev Date:</b>		<b>Source:</b> Shallow
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>		<b>Estimated Yield:</b>
<b>Casing Size:</b>	<b>Depth Well:</b>	300 feet	<b>Depth Water:</b> 120 feet

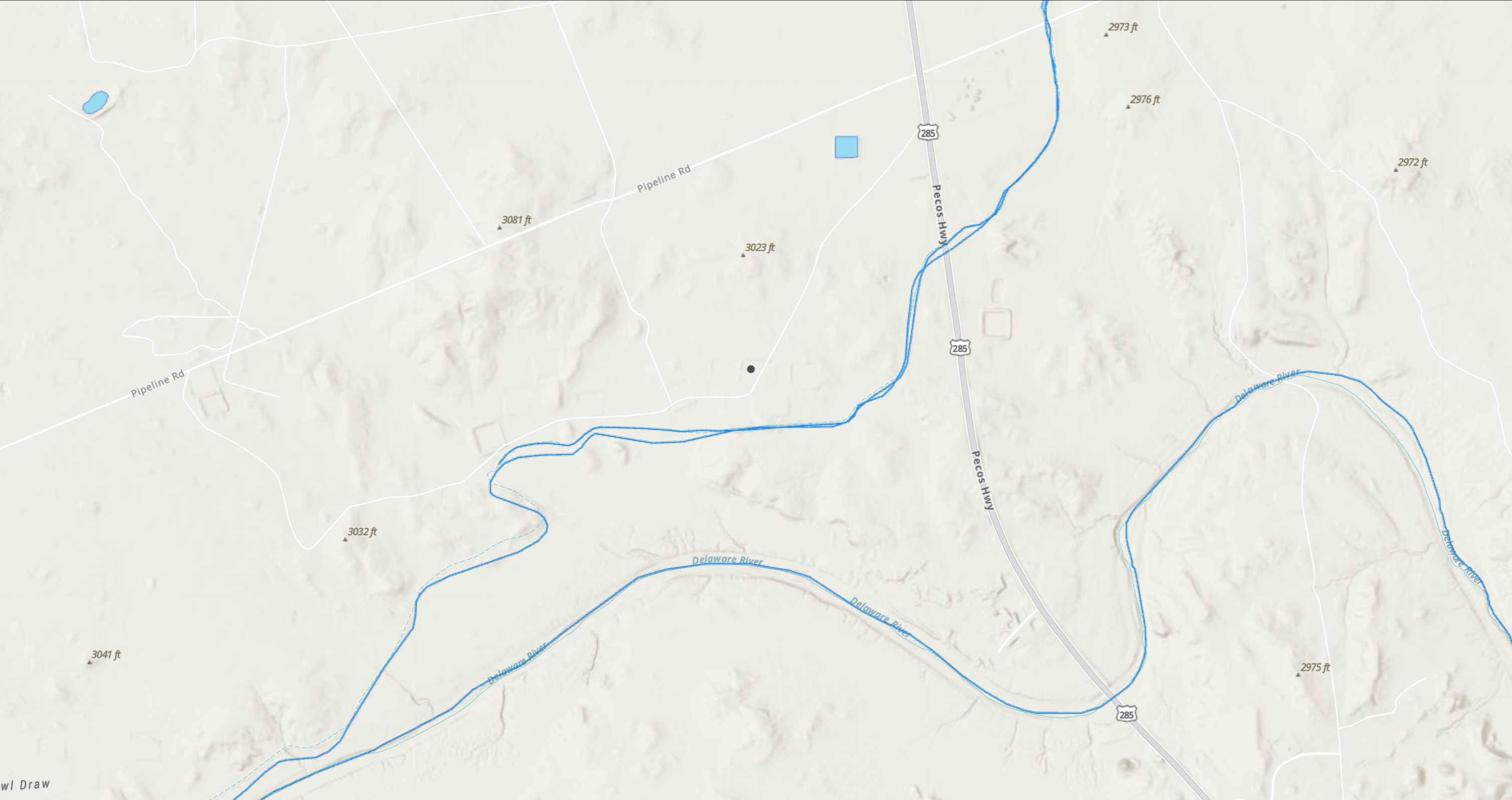
\*UTM location was derived from PLSS - see Help

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12/12/22 4:36 PM

POINT OF DIVERSION SUMMARY

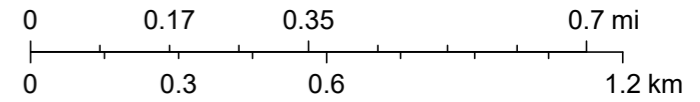
# Diamondback 22 State Com 5H (01.01.2026)



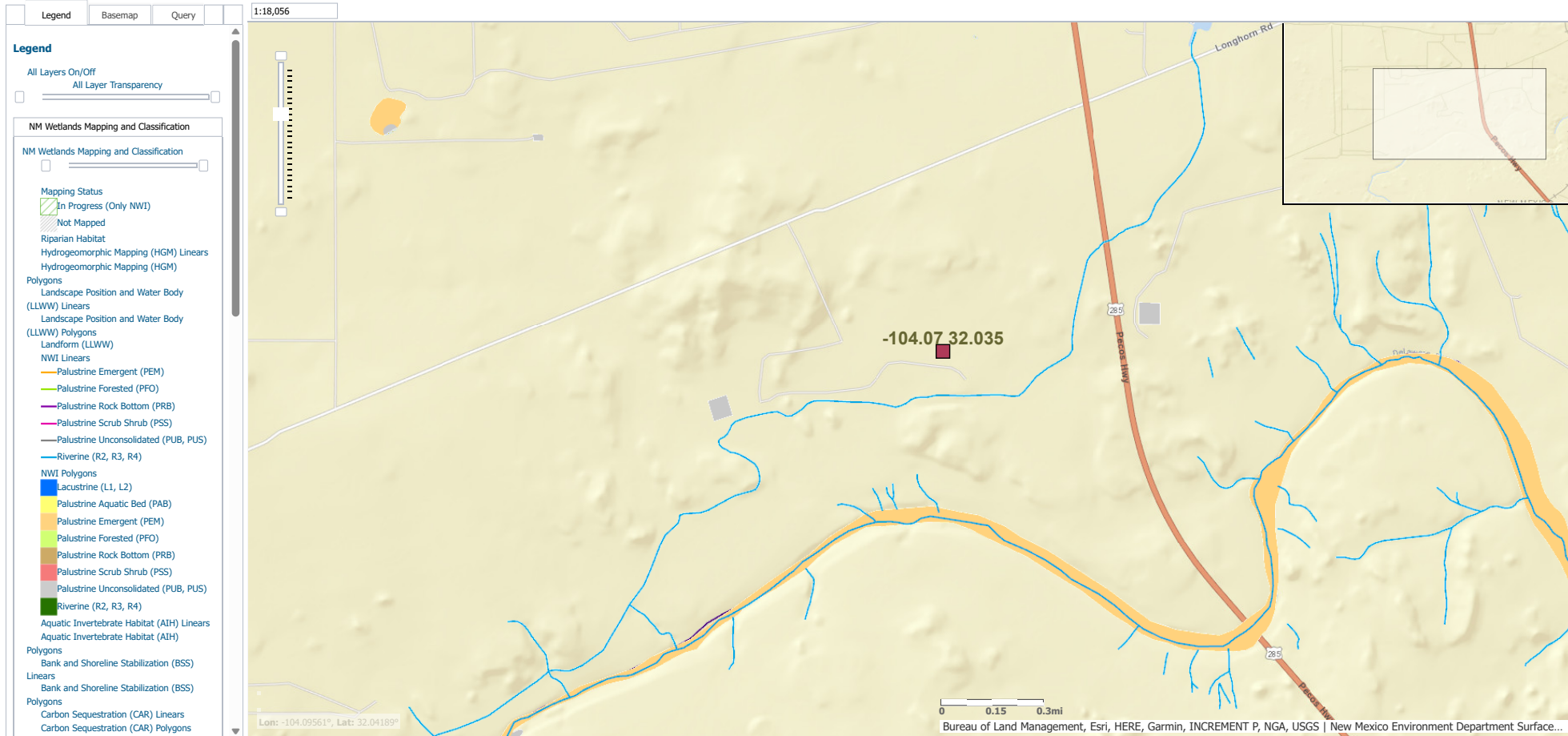
1/6/2026, 10:48:38 AM

- OSW Water Bodys
- OSE Streams

1:18,056



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



# APPENDIX E

CARMONA RESOURCES





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 1/30/2026 4:44:32 PM

## JOB DESCRIPTION

Diamondback 22 State Com 5H Flare Fire (1.1.26)  
 3022

## JOB NUMBER

880-67462-1

Eurofins Midland  
 1211 W. Florida Ave  
 Midland TX 79701



# Eurofins Midland

## Job Notes

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

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

## Authorization



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

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Client: Carmona Resources  
Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Laboratory Job ID: 880-67462-1  
SDG: 3022

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## Definitions/Glossary

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-67462-1  
 SDG: 3022

## Qualifiers

## GC VOA

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

## GC Semi VOA

Qualifier	Qualifier Description
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: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-67462-1

**Job ID: 880-67462-1**

**Eurofins Midland**

## Job Narrative 880-67462-1

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

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

### Receipt

The samples were received on 1/27/2026 2:43 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C.

### GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-130078 and analytical batch 880-130323 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: H-1 (0-0.5') (880-67462-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

### Diesel Range Organics

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

### HPLC/IC

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

Eurofins Midland



### Client Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-67462-1  
 SDG: 3022

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

**Lab Sample ID: 880-67462-1**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:48	01/30/26 13:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:48	01/30/26 13:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:48	01/30/26 13:12	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		01/28/26 09:48	01/30/26 13:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:48	01/30/26 13:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/28/26 09:48	01/30/26 13:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	01/28/26 09:48	01/30/26 13:12	1
1,4-Difluorobenzene (Surr)	92		70 - 130	01/28/26 09:48	01/30/26 13:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/30/26 13:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/29/26 00:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/28/26 08:37	01/29/26 00:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/28/26 08:37	01/29/26 00:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/28/26 08:37	01/29/26 00:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130	01/28/26 08:37	01/29/26 00:45	1
o-Terphenyl (Surr)	90		70 - 130	01/28/26 08:37	01/29/26 00:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.8		9.94		mg/Kg			01/28/26 10:33	1

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

**Lab Sample ID: 880-67462-2**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/28/26 09:48	01/30/26 13:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/28/26 09:48	01/30/26 13:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/28/26 09:48	01/30/26 13:33	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		01/28/26 09:48	01/30/26 13:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/28/26 09:48	01/30/26 13:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/28/26 09:48	01/30/26 13:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	01/28/26 09:48	01/30/26 13:33	1
1,4-Difluorobenzene (Surr)	92		70 - 130	01/28/26 09:48	01/30/26 13:33	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-67462-1  
 SDG: 3022

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

**Lab Sample ID: 880-67462-2**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/30/26 13:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/29/26 00:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/28/26 08:37	01/29/26 00:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/28/26 08:37	01/29/26 00:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/28/26 08:37	01/29/26 00:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130	01/28/26 08:37	01/29/26 00:59	1
o-Terphenyl (Surr)	103		70 - 130	01/28/26 08:37	01/29/26 00:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.8		9.96		mg/Kg			01/28/26 10:38	1

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

**Lab Sample ID: 880-67462-3**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:48	01/30/26 13:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:48	01/30/26 13:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:48	01/30/26 13:53	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		01/28/26 09:48	01/30/26 13:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:48	01/30/26 13:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/28/26 09:48	01/30/26 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	01/28/26 09:48	01/30/26 13:53	1
1,4-Difluorobenzene (Surr)	91		70 - 130	01/28/26 09:48	01/30/26 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/30/26 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/29/26 01:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/28/26 08:37	01/29/26 01:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/28/26 08:37	01/29/26 01:14	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-67462-1  
 SDG: 3022

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

**Lab Sample ID: 880-67462-3**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/28/26 08:37	01/29/26 01:14	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	91		70 - 130				01/28/26 08:37	01/29/26 01:14	1
o-Terphenyl (Surr)	96		70 - 130				01/28/26 08:37	01/29/26 01:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.9		9.90		mg/Kg			01/28/26 10:43	1

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

**Lab Sample ID: 880-67462-4**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/28/26 09:48	01/30/26 14:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/28/26 09:48	01/30/26 14:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/28/26 09:48	01/30/26 14:14	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		01/28/26 09:48	01/30/26 14:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/28/26 09:48	01/30/26 14:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/28/26 09:48	01/30/26 14:14	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	121		70 - 130				01/28/26 09:48	01/30/26 14:14	1
1,4-Difluorobenzene (Surr)	91		70 - 130				01/28/26 09:48	01/30/26 14:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/30/26 14:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			01/29/26 01:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5		mg/Kg		01/28/26 08:37	01/29/26 01:27	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		01/28/26 08:37	01/29/26 01:27	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		01/28/26 08:37	01/29/26 01:27	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	96		70 - 130				01/28/26 08:37	01/29/26 01:27	1
o-Terphenyl (Surr)	92		70 - 130				01/28/26 08:37	01/29/26 01:27	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			01/28/26 10:48	1

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## Surrogate Summary

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-67462-1  
 SDG: 3022

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-67460-A-1-C MS	Matrix Spike	123	91
880-67460-A-1-D MSD	Matrix Spike Duplicate	122	94
880-67462-1	H-1 (0-0.5')	131 S1+	92
880-67462-2	H-2 (0-0.5')	117	92
880-67462-3	H-3 (0-0.5')	111	91
880-67462-4	H-4 (0-0.5')	121	91
LCS 880-130078/1-A	Lab Control Sample	121	97
LCS 880-130078/2-A	Lab Control Sample Dup	122	90
MB 880-130078/5-A	Method Blank	121	86

**Surrogate Legend**

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

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-67459-A-1-E MS	Matrix Spike	117	100
880-67459-A-1-F MSD	Matrix Spike Duplicate	118	102
880-67462-1	H-1 (0-0.5')	91	90
880-67462-2	H-2 (0-0.5')	108	103
880-67462-3	H-3 (0-0.5')	91	96
880-67462-4	H-4 (0-0.5')	96	92
LCS 880-130035/2-A	Lab Control Sample	93	88
LCS 880-130035/3-A	Lab Control Sample Dup	93	87
MB 880-130035/1-A	Method Blank	102	100

**Surrogate Legend**

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

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-67462-1  
 SDG: 3022

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

Lab Sample ID: MB 880-130078/5-A  
 Matrix: Solid  
 Analysis Batch: 130323

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 130078

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:48	01/30/26 10:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:48	01/30/26 10:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:48	01/30/26 10:48	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		01/28/26 09:48	01/30/26 10:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:48	01/30/26 10:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/28/26 09:48	01/30/26 10:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	01/28/26 09:48	01/30/26 10:48	1
1,4-Difluorobenzene (Surr)	86		70 - 130	01/28/26 09:48	01/30/26 10:48	1

Lab Sample ID: LCS 880-130078/1-A  
 Matrix: Solid  
 Analysis Batch: 130323

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 130078

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1146		mg/Kg		115	70 - 130
Toluene	0.100	0.1038		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1065		mg/Kg		107	70 - 130
m,p-Xylenes	0.200	0.2050		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1064		mg/Kg		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-130078/2-A  
 Matrix: Solid  
 Analysis Batch: 130323

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 130078

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1172		mg/Kg		117	70 - 130	2	35
Toluene	0.100	0.1077		mg/Kg		108	70 - 130	4	35
Ethylbenzene	0.100	0.1100		mg/Kg		110	70 - 130	3	35
m,p-Xylenes	0.200	0.2118		mg/Kg		106	70 - 130	3	35
o-Xylene	0.100	0.1099		mg/Kg		110	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 880-67460-A-1-C MS  
 Matrix: Solid  
 Analysis Batch: 130323

Client Sample ID: Matrix Spike  
 Prep Type: Total/NA  
 Prep Batch: 130078

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.100	0.02961	F1	mg/Kg		30	70 - 130
Toluene	<0.00200	U F1	0.100	0.02905	F1	mg/Kg		29	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-67462-1  
 SDG: 3022

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

Lab Sample ID: 880-67460-A-1-C MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 130323

Prep Batch: 130078

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00200	U F1	0.100	0.02497	F1	mg/Kg		25	70 - 130
m,p-Xylenes	<0.00399	U F1	0.200	0.06483	F1	mg/Kg		32	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.03915	F1	mg/Kg		39	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	123		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 880-67460-A-1-D MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 130323

Prep Batch: 130078

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec	RPD	
	Result	Qualifier		Result	Qualifier					RPD	Limit
Benzene	<0.00200	U F1	0.100	0.03440	F1	mg/Kg		34	70 - 130	15	35
Toluene	<0.00200	U F1	0.100	0.03176	F1	mg/Kg		32	70 - 130	9	35
Ethylbenzene	<0.00200	U F1	0.100	0.02609	F1	mg/Kg		26	70 - 130	4	35
m,p-Xylenes	<0.00399	U F1	0.200	0.06967	F1	mg/Kg		35	70 - 130	7	35
o-Xylene	<0.00200	U F1	0.100	0.04241	F1	mg/Kg		42	70 - 130	8	35

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

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

Lab Sample ID: MB 880-130035/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 130057

Prep Batch: 130035

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/28/26 08:36	01/28/26 22:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/28/26 08:36	01/28/26 22:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/28/26 08:36	01/28/26 22:10	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	102		70 - 130	01/28/26 08:36	01/28/26 22:10	1
o-Terphenyl (Surr)	100		70 - 130	01/28/26 08:36	01/28/26 22:10	1

Lab Sample ID: LCS 880-130035/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 130057

Prep Batch: 130035

Analyte	Spike	LCS		Unit	D	%Rec	%Rec
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	737.4		mg/Kg		74	70 - 130
Diesel Range Organics (Over C10-C28)	1000	932.3		mg/Kg		93	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-67462-1  
 SDG: 3022

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

**Lab Sample ID: LCS 880-130035/2-A**  
**Matrix: Solid**  
**Analysis Batch: 130057**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 130035**

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	93		70 - 130
o-Terphenyl (Surr)	88		70 - 130

**Lab Sample ID: LCSD 880-130035/3-A**  
**Matrix: Solid**  
**Analysis Batch: 130057**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 130035**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	767.9		mg/Kg		77	70 - 130	4	20	
Diesel Range Organics (Over C10-C28)	1000	915.5		mg/Kg		92	70 - 130	2	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	93		70 - 130
o-Terphenyl (Surr)	87		70 - 130

**Lab Sample ID: 880-67459-A-1-E MS**  
**Matrix: Solid**  
**Analysis Batch: 130057**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 130035**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	826.1		mg/Kg		83	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	899.1		mg/Kg		90	70 - 130	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	117		70 - 130
o-Terphenyl (Surr)	100		70 - 130

**Lab Sample ID: 880-67459-A-1-F MSD**  
**Matrix: Solid**  
**Analysis Batch: 130057**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 130035**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	827.6		mg/Kg		83	70 - 130	0	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	918.0		mg/Kg		92	70 - 130	2	20	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	118		70 - 130
o-Terphenyl (Surr)	102		70 - 130

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-67462-1  
 SDG: 3022

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

Lab Sample ID: MB 880-130007/1-A  
 Matrix: Solid  
 Analysis Batch: 130008

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/28/26 09:29	1

Lab Sample ID: LCS 880-130007/2-A  
 Matrix: Solid  
 Analysis Batch: 130008

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.3		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-130007/3-A  
 Matrix: Solid  
 Analysis Batch: 130008

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	239.6		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-67459-A-1-B MS  
 Matrix: Solid  
 Analysis Batch: 130008

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	<9.94	U	249	250.0		mg/Kg		98	90 - 110

Lab Sample ID: 880-67459-A-1-C MSD  
 Matrix: Solid  
 Analysis Batch: 130008

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	<9.94	U	249	250.5		mg/Kg		98	90 - 110	0	20

### QC Association Summary

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-67462-1  
 SDG: 3022

#### GC VOA

##### Prep Batch: 130078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67462-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-67462-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-67462-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-67462-4	H-4 (0-0.5')	Total/NA	Solid	5035	
MB 880-130078/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-130078/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 880-130078/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-67460-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-67460-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

##### Analysis Batch: 130323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67462-1	H-1 (0-0.5')	Total/NA	Solid	8021B	130078
880-67462-2	H-2 (0-0.5')	Total/NA	Solid	8021B	130078
880-67462-3	H-3 (0-0.5')	Total/NA	Solid	8021B	130078
880-67462-4	H-4 (0-0.5')	Total/NA	Solid	8021B	130078
MB 880-130078/5-A	Method Blank	Total/NA	Solid	8021B	130078
LCS 880-130078/1-A	Lab Control Sample	Total/NA	Solid	8021B	130078
LCS 880-130078/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	130078
880-67460-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	130078
880-67460-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	130078

##### Analysis Batch: 130434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67462-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-67462-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-67462-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-67462-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	

#### GC Semi VOA

##### Prep Batch: 130035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67462-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-67462-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-67462-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-67462-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-130035/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-130035/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCS 880-130035/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-67459-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-67459-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

##### Analysis Batch: 130057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67462-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	130035
880-67462-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	130035
880-67462-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	130035
880-67462-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	130035
MB 880-130035/1-A	Method Blank	Total/NA	Solid	8015B NM	130035
LCS 880-130035/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	130035

Eurofins Midland

### QC Association Summary

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-67462-1  
 SDG: 3022

#### GC Semi VOA (Continued)

##### Analysis Batch: 130057 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-130035/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	130035
880-67459-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	130035
880-67459-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	130035

##### Analysis Batch: 130258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67462-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-67462-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-67462-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-67462-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	

#### HPLC/IC

##### Leach Batch: 130007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67462-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-67462-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-67462-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-67462-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-130007/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-130007/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-130007/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-67459-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-67459-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

##### Analysis Batch: 130008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67462-1	H-1 (0-0.5')	Soluble	Solid	300.0	130007
880-67462-2	H-2 (0-0.5')	Soluble	Solid	300.0	130007
880-67462-3	H-3 (0-0.5')	Soluble	Solid	300.0	130007
880-67462-4	H-4 (0-0.5')	Soluble	Solid	300.0	130007
MB 880-130007/1-A	Method Blank	Soluble	Solid	300.0	130007
LCS 880-130007/2-A	Lab Control Sample	Soluble	Solid	300.0	130007
LCSD 880-130007/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	130007
880-67459-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	130007
880-67459-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	130007

### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-67462-1  
 SDG: 3022

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

**Lab Sample ID: 880-67462-1**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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	130078	01/28/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130323	01/30/26 13:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			130434	01/30/26 13:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			130258	01/29/26 00:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	130035	01/28/26 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130057	01/29/26 00:45	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	130007	01/27/26 16:00	SA	EET MID
Soluble	Analysis	300.0		1			130008	01/28/26 10:33	CS	EET MID

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

**Lab Sample ID: 880-67462-2**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	130078	01/28/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130323	01/30/26 13:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			130434	01/30/26 13:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			130258	01/29/26 00:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	130035	01/28/26 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130057	01/29/26 00:59	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	130007	01/27/26 16:00	SA	EET MID
Soluble	Analysis	300.0		1			130008	01/28/26 10:38	CS	EET MID

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

**Lab Sample ID: 880-67462-3**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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	130078	01/28/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130323	01/30/26 13:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			130434	01/30/26 13:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			130258	01/29/26 01:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	130035	01/28/26 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130057	01/29/26 01:14	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	130007	01/27/26 16:00	SA	EET MID
Soluble	Analysis	300.0		1			130008	01/28/26 10:43	CS	EET MID

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

**Lab Sample ID: 880-67462-4**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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	130078	01/28/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130323	01/30/26 14:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			130434	01/30/26 14:14	AJ	EET MID

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### Lab Chronicle

Client: Carmona Resources  
Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-67462-1  
SDG: 3022

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

**Lab Sample ID: 880-67462-4**

**Date Collected: 01/22/26 00:00**

**Matrix: Solid**

**Date Received: 01/27/26 14:43**

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			130258	01/29/26 01:27	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10.00 mL	130035	01/28/26 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130057	01/29/26 01:27	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	130007	01/27/26 16:00	SA	EET MID
Soluble	Analysis	300.0		1			130008	01/28/26 10:48	CS	EET MID

**Laboratory References:**

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

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### Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-67462-1  
SDG: 3022

#### Laboratory: Eurofins Midland

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

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

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

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

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### Method Summary

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-67462-1  
 SDG: 3022

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: Diamondback 22 State Com 5H Flare Fire  
(1.1.26)

Job ID: 880-67462-1  
SDG: 3022

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-67462-1	H-1 (0-0.5')	Solid	01/22/26 00:00	01/27/26 14:43	New Mexico
880-67462-2	H-2 (0-0.5')	Solid	01/22/26 00:00	01/27/26 14:43	New Mexico
880-67462-3	H-3 (0-0.5')	Solid	01/22/26 00:00	01/27/26 14:43	New Mexico
880-67462-4	H-4 (0-0.5')	Solid	01/22/26 00:00	01/27/26 14:43	New Mexico

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880-67462 Chain of Custody

Chain of Custody

Page 1 of 1

**Work Order Comments**

Program: UST/PST  PRP  Brownfields  RRC  Superfund

State of Project: Reporting: Level II  Level III  ST/UST  RRP  Level IV

Deliverables: EDD  ADaPT  Other:

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

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

Turn Around  
 Routine  Rush  
 Due Date: 72 Hour TAT

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST		Preservative Codes
							Parameters	Pres. Code	
H-1 (0-0.5')	1/22/2026		X		G	1	BTEX 80218		None: NO DI Water: H <sub>2</sub> O
H-2 (0-0.5')	1/22/2026		X		G	1	TPH 8015M (GRO + DRO + MRO)		Cool: Cool MeOH: Me HNO <sub>3</sub> : HN HCL: HC H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na
H-3 (0-0.5')	1/22/2026		X		G	1	Chloride 300.0		H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SACP
H-4 (0-0.5')	1/22/2026		X		G	1			

**SAMPLE RECEIPT**

Received Intact: Yes  No  Temp Blank: Yes  No  Wet loc: Yes  No

Cooler Custody Seals: Yes  No  Thermometer ID: #28

Sample Custody Seals: Yes  No  Correction Factor: -0.1

Total Containers: Yes  No  Temperature Reading: 5.1  
Corrected Temperature: 5.0

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

Relinquished by: (Signature) \_\_\_\_\_ Date/Time 1/27/26 1443

Received by: (Signature) \_\_\_\_\_ Date/Time 1-27-26 1433



### Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-67462-1

SDG Number: 3022

**Login Number: 67462**

**List Number: 1**

**Creator: Dyal, Erica**

**List Source: Eurofins Midland**

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

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 1/30/2026 12:00:01 PM

## JOB DESCRIPTION

Diamondback 22 State Com Flare Fire (1.1.26)  
 3104

## JOB NUMBER

880-67466-1

Eurofins Midland  
 1211 W. Florida Ave  
 Midland TX 79701



# Eurofins Midland

## Job Notes

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

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

## Authorization



Generated  
1/30/2026 12:00:01 PM

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

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Client: Carmona Resources  
Project/Site: Diamondback 22 State Com Flare Fire (1.1.26)

Laboratory Job ID: 880-67466-1  
SDG: 3104

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## Definitions/Glossary

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com Flare Fire (1.1.26)

Job ID: 880-67466-1  
 SDG: 3104

## Qualifiers

## GC VOA

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

## GC Semi VOA

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

## HPLC/IC

Qualifier	Qualifier Description
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: Diamondback 22 State Com Flare Fire (1.1.26)

Job ID: 880-67466-1

**Job ID: 880-67466-1**

**Eurofins Midland**

## Job Narrative 880-67466-1

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

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

### Receipt

The samples were received on 1/27/2026 2:43 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C.

### GC VOA

Method 8021B: The CCV was biased low for ethylbenzene. However, the bracketing CCV was acceptable for ethylbenzene so the data was qualified and reported.

(CCV 880-130113/20)

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

### Diesel Range Organics

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: S-1 (0-1') (880-67466-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

### 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: Diamondback 22 State Com Flare Fire (1.1.26)

Job ID: 880-67466-1  
 SDG: 3104

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

**Lab Sample ID: 880-67466-1**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/28/26 09:22	01/28/26 15:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/28/26 09:22	01/28/26 15:13	1
<b>Ethylbenzene</b>	<b>0.00398</b>		0.00198		mg/Kg		01/28/26 09:22	01/28/26 15:13	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		01/28/26 09:22	01/28/26 15:13	1
<b>o-Xylene</b>	<b>0.00510</b>		0.00198		mg/Kg		01/28/26 09:22	01/28/26 15:13	1
<b>Xylenes, Total</b>	<b>0.00510</b>		0.00396		mg/Kg		01/28/26 09:22	01/28/26 15:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	01/28/26 09:22	01/28/26 15:13	1
1,4-Difluorobenzene (Surr)	115		70 - 130	01/28/26 09:22	01/28/26 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total BTEX</b>	<b>0.00908</b>		0.00396		mg/Kg			01/28/26 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total TPH</b>	<b>6380</b>		249		mg/Kg			01/29/26 00:32	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	<249	U	249		mg/Kg		01/28/26 08:39	01/29/26 00:32	5
<b>Diesel Range Organics (Over C10-C28)</b>	<b>5490</b>		249		mg/Kg		01/28/26 08:39	01/29/26 00:32	5
<b>Oil Range Organics (Over C28-C36)</b>	<b>891</b>		249		mg/Kg		01/28/26 08:39	01/29/26 00:32	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130	01/28/26 08:39	01/29/26 00:32	5
o-Terphenyl (Surr)	299	S1+	70 - 130	01/28/26 08:39	01/29/26 00:32	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>30.2</b>		9.94		mg/Kg			01/28/26 18:13	1

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

**Lab Sample ID: 880-67466-2**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:22	01/28/26 17:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:22	01/28/26 17:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:22	01/28/26 17:08	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		01/28/26 09:22	01/28/26 17:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:22	01/28/26 17:08	1
<b>Xylenes, Total</b>	<b>&lt;0.00400</b>	<b>U</b>	<b>0.00400</b>		<b>mg/Kg</b>		<b>01/28/26 09:22</b>	<b>01/28/26 17:08</b>	<b>1</b>

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	01/28/26 09:22	01/28/26 17:08	1
1,4-Difluorobenzene (Surr)	99		70 - 130	01/28/26 09:22	01/28/26 17:08	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com Flare Fire (1.1.26)

Job ID: 880-67466-1  
 SDG: 3104

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

**Lab Sample ID: 880-67466-2**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			01/28/26 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	57.5		50.0		mg/Kg			01/29/26 00:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/28/26 08:39	01/29/26 00:45	1
<b>Diesel Range Organics (Over C10-C28)</b>	57.5		50.0		mg/Kg		01/28/26 08:39	01/29/26 00:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/28/26 08:39	01/29/26 00:45	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	107		70 - 130				01/28/26 08:39	01/29/26 00:45	1
o-Terphenyl (Surr)	113		70 - 130				01/28/26 08:39	01/29/26 00:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	464		9.96		mg/Kg			01/28/26 18:20	1

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

**Lab Sample ID: 880-67466-3**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:22	01/28/26 17:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:22	01/28/26 17:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:22	01/28/26 17:28	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		01/28/26 09:22	01/28/26 17:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:22	01/28/26 17:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/28/26 09:22	01/28/26 17:28	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	121		70 - 130				01/28/26 09:22	01/28/26 17:28	1
1,4-Difluorobenzene (Surr)	98		70 - 130				01/28/26 09:22	01/28/26 17:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/28/26 17:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/29/26 00:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/28/26 08:39	01/29/26 00:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/28/26 08:39	01/29/26 00:59	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com Flare Fire (1.1.26)

Job ID: 880-67466-1  
 SDG: 3104

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

**Lab Sample ID: 880-67466-3**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/28/26 08:39	01/29/26 00:59	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	98		70 - 130				01/28/26 08:39	01/29/26 00:59	1
o-Terphenyl (Surr)	102		70 - 130				01/28/26 08:39	01/29/26 00:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	175		9.94		mg/Kg			01/28/26 18:27	1

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

**Lab Sample ID: 880-67466-4**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/28/26 09:22	01/28/26 17:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/28/26 09:22	01/28/26 17:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/28/26 09:22	01/28/26 17:49	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		01/28/26 09:22	01/28/26 17:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/28/26 09:22	01/28/26 17:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/28/26 09:22	01/28/26 17:49	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	120		70 - 130				01/28/26 09:22	01/28/26 17:49	1
1,4-Difluorobenzene (Surr)	113		70 - 130				01/28/26 09:22	01/28/26 17:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/28/26 17:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/29/26 01:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/28/26 08:39	01/29/26 01:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/28/26 08:39	01/29/26 01:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/28/26 08:39	01/29/26 01:14	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	103		70 - 130				01/28/26 08:39	01/29/26 01:14	1
o-Terphenyl (Surr)	107		70 - 130				01/28/26 08:39	01/29/26 01:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.6		10.0		mg/Kg			01/28/26 18:34	1

### Client Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com Flare Fire (1.1.26)

Job ID: 880-67466-1  
 SDG: 3104

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

**Lab Sample ID: 880-67466-5**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/28/26 09:22	01/28/26 18:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/28/26 09:22	01/28/26 18:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/28/26 09:22	01/28/26 18:09	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		01/28/26 09:22	01/28/26 18:09	1
<b>o-Xylene</b>	<b>0.00269</b>		0.00202		mg/Kg		01/28/26 09:22	01/28/26 18:09	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/28/26 09:22	01/28/26 18:09	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	126		70 - 130				01/28/26 09:22	01/28/26 18:09	1
1,4-Difluorobenzene (Surr)	104		70 - 130				01/28/26 09:22	01/28/26 18:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/28/26 18:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/29/26 01:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/28/26 08:39	01/29/26 01:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/28/26 08:39	01/29/26 01:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/28/26 08:39	01/29/26 01:27	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	98		70 - 130				01/28/26 08:39	01/29/26 01:27	1
o-Terphenyl (Surr)	103		70 - 130				01/28/26 08:39	01/29/26 01:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>174</b>		9.92		mg/Kg			01/28/26 18:41	1

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

**Lab Sample ID: 880-67466-6**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/28/26 09:22	01/28/26 18:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/28/26 09:22	01/28/26 18:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/28/26 09:22	01/28/26 18:30	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		01/28/26 09:22	01/28/26 18:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/28/26 09:22	01/28/26 18:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/28/26 09:22	01/28/26 18:30	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	120		70 - 130				01/28/26 09:22	01/28/26 18:30	1
1,4-Difluorobenzene (Surr)	103		70 - 130				01/28/26 09:22	01/28/26 18:30	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com Flare Fire (1.1.26)

Job ID: 880-67466-1  
 SDG: 3104

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

**Lab Sample ID: 880-67466-6**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/28/26 18:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			01/29/26 01:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		01/28/26 08:39	01/29/26 01:56	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		01/28/26 08:39	01/29/26 01:56	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		01/28/26 08:39	01/29/26 01:56	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	99		70 - 130				01/28/26 08:39	01/29/26 01:56	1
o-Terphenyl (Surr)	103		70 - 130				01/28/26 08:39	01/29/26 01:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	153		9.92		mg/Kg			01/28/26 18:48	1

## Surrogate Summary

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com Flare Fire (1.1.26)

Job ID: 880-67466-1  
 SDG: 3104

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-67466-1	S-1 (0-1')	127	115
880-67466-2	S-1 (1.5')	100	99
880-67466-3	S-1 (2')	121	98
880-67466-4	S-2 (0-1')	120	113
880-67466-5	S-2 (1.5')	126	104
880-67466-6	S-2 (2')	120	103
880-67468-A-1-C MS	Matrix Spike	111	88
880-67468-A-1-D MSD	Matrix Spike Duplicate	120	99
LCS 880-130053/1-A	Lab Control Sample	100	92
LCSD 880-130053/2-A	Lab Control Sample Dup	105	97
MB 880-130053/5-A	Method Blank	270 S1+	160 S1+

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

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-67465-A-1-E MS	Matrix Spike	119	123
880-67465-A-1-F MSD	Matrix Spike Duplicate	119	125
880-67466-1	S-1 (0-1')	107	299 S1+
880-67466-2	S-1 (1.5')	107	113
880-67466-3	S-1 (2')	98	102
880-67466-4	S-2 (0-1')	103	107
880-67466-5	S-2 (1.5')	98	103
880-67466-6	S-2 (2')	99	103
LCS 880-130036/2-A	Lab Control Sample	113	108
LCSD 880-130036/3-A	Lab Control Sample Dup	108	107
MB 880-130036/1-A	Method Blank	108	115

**Surrogate Legend**  
 1CO = 1-Chlorooctane (Surr)  
 OTPH = o-Terphenyl (Surr)

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com Flare Fire (1.1.26)

Job ID: 880-67466-1  
 SDG: 3104

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

Lab Sample ID: MB 880-130053/5-A  
 Matrix: Solid  
 Analysis Batch: 130113

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 130053

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:22	01/28/26 11:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:22	01/28/26 11:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:22	01/28/26 11:27	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		01/28/26 09:22	01/28/26 11:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:22	01/28/26 11:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/28/26 09:22	01/28/26 11:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	270	S1+	70 - 130	01/28/26 09:22	01/28/26 11:27	1
1,4-Difluorobenzene (Surr)	160	S1+	70 - 130	01/28/26 09:22	01/28/26 11:27	1

Lab Sample ID: LCS 880-130053/1-A  
 Matrix: Solid  
 Analysis Batch: 130113

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 130053

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08044		mg/Kg		80	70 - 130
Toluene	0.100	0.08460		mg/Kg		85	70 - 130
Ethylbenzene	0.100	0.07470		mg/Kg		75	70 - 130
m,p-Xylenes	0.200	0.1939		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09959		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-130053/2-A  
 Matrix: Solid  
 Analysis Batch: 130113

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 130053

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09006		mg/Kg		90	70 - 130	11	35
Toluene	0.100	0.08944		mg/Kg		89	70 - 130	6	35
Ethylbenzene	0.100	0.09161		mg/Kg		92	70 - 130	20	35
m,p-Xylenes	0.200	0.1948		mg/Kg		97	70 - 130	0	35
o-Xylene	0.100	0.09747		mg/Kg		97	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-67468-A-1-C MS  
 Matrix: Solid  
 Analysis Batch: 130113

Client Sample ID: Matrix Spike  
 Prep Type: Total/NA  
 Prep Batch: 130053

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08438		mg/Kg		84	70 - 130
Toluene	<0.00200	U	0.100	0.09085		mg/Kg		91	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com Flare Fire (1.1.26)

Job ID: 880-67466-1  
 SDG: 3104

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

Lab Sample ID: 880-67468-A-1-C MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 130113

Prep Batch: 130053

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00200	U	0.100	0.08087		mg/Kg		80	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1732		mg/Kg		87	70 - 130
o-Xylene	<0.00200	U	0.100	0.09419		mg/Kg		94	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: 880-67468-A-1-D MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 130113

Prep Batch: 130053

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U	0.100	0.09207		mg/Kg		92	70 - 130	9	35
Toluene	<0.00200	U	0.100	0.08219		mg/Kg		82	70 - 130	10	35
Ethylbenzene	<0.00200	U	0.100	0.08765		mg/Kg		87	70 - 130	8	35
m,p-Xylenes	<0.00399	U	0.200	0.1899		mg/Kg		95	70 - 130	9	35
o-Xylene	<0.00200	U	0.100	0.1054		mg/Kg		105	70 - 130	11	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

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

Lab Sample ID: MB 880-130036/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 130054

Prep Batch: 130036

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/28/26 08:39	01/28/26 22:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/28/26 08:39	01/28/26 22:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/28/26 08:39	01/28/26 22:10	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	108		70 - 130	01/28/26 08:39	01/28/26 22:10	1
o-Terphenyl (Surr)	115		70 - 130	01/28/26 08:39	01/28/26 22:10	1

Lab Sample ID: LCS 880-130036/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 130054

Prep Batch: 130036

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
Gasoline Range Organics (GRO)-C6-C10	1000	886.1		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	895.4		mg/Kg		90	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com Flare Fire (1.1.26)

Job ID: 880-67466-1  
 SDG: 3104

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

**Lab Sample ID: LCS 880-130036/2-A**  
**Matrix: Solid**  
**Analysis Batch: 130054**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 130036**

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	113		70 - 130
o-Terphenyl (Surr)	108		70 - 130

**Lab Sample ID: LCSD 880-130036/3-A**  
**Matrix: Solid**  
**Analysis Batch: 130054**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 130036**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	889.6		mg/Kg		89	70 - 130	0	20	
Diesel Range Organics (Over C10-C28)	1000	910.5		mg/Kg		91	70 - 130	2	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	108		70 - 130
o-Terphenyl (Surr)	107		70 - 130

**Lab Sample ID: 880-67465-A-1-E MS**  
**Matrix: Solid**  
**Analysis Batch: 130054**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 130036**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	853.5		mg/Kg		86	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	997	818.4		mg/Kg		82	70 - 130	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	119		70 - 130
o-Terphenyl (Surr)	123		70 - 130

**Lab Sample ID: 880-67465-A-1-F MSD**  
**Matrix: Solid**  
**Analysis Batch: 130054**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 130036**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	855.3		mg/Kg		86	70 - 130	0
Diesel Range Organics (Over C10-C28)	<50.0	U	997	819.9		mg/Kg		82	70 - 130	0

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	119		70 - 130
o-Terphenyl (Surr)	125		70 - 130

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com Flare Fire (1.1.26)

Job ID: 880-67466-1  
 SDG: 3104

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

Lab Sample ID: MB 880-130030/1-A  
 Matrix: Solid  
 Analysis Batch: 130123

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/28/26 16:50	1

Lab Sample ID: LCS 880-130030/2-A  
 Matrix: Solid  
 Analysis Batch: 130123

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	261.2		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-130030/3-A  
 Matrix: Solid  
 Analysis Batch: 130123

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	264.8		mg/Kg		106	90 - 110	1	20

Lab Sample ID: 880-67466-6 MS  
 Matrix: Solid  
 Analysis Batch: 130123

Client Sample ID: S-2 (2')  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	153		248	411.9		mg/Kg		104	90 - 110

Lab Sample ID: 880-67466-6 MSD  
 Matrix: Solid  
 Analysis Batch: 130123

Client Sample ID: S-2 (2')  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	153		248	417.6		mg/Kg		107	90 - 110	1	20

## QC Association Summary

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com Flare Fire (1.1.26)

Job ID: 880-67466-1  
 SDG: 3104

## GC VOA

## Prep Batch: 130053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67466-1	S-1 (0-1')	Total/NA	Solid	5035	
880-67466-2	S-1 (1.5')	Total/NA	Solid	5035	
880-67466-3	S-1 (2')	Total/NA	Solid	5035	
880-67466-4	S-2 (0-1')	Total/NA	Solid	5035	
880-67466-5	S-2 (1.5')	Total/NA	Solid	5035	
880-67466-6	S-2 (2')	Total/NA	Solid	5035	
MB 880-130053/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-130053/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-130053/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-67468-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-67468-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 130113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67466-1	S-1 (0-1')	Total/NA	Solid	8021B	130053
880-67466-2	S-1 (1.5')	Total/NA	Solid	8021B	130053
880-67466-3	S-1 (2')	Total/NA	Solid	8021B	130053
880-67466-4	S-2 (0-1')	Total/NA	Solid	8021B	130053
880-67466-5	S-2 (1.5')	Total/NA	Solid	8021B	130053
880-67466-6	S-2 (2')	Total/NA	Solid	8021B	130053
MB 880-130053/5-A	Method Blank	Total/NA	Solid	8021B	130053
LCS 880-130053/1-A	Lab Control Sample	Total/NA	Solid	8021B	130053
LCSD 880-130053/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	130053
880-67468-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	130053
880-67468-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	130053

## Analysis Batch: 130192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67466-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-67466-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-67466-3	S-1 (2')	Total/NA	Solid	Total BTEX	
880-67466-4	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-67466-5	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-67466-6	S-2 (2')	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 130036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67466-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-67466-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-67466-3	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-67466-4	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-67466-5	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-67466-6	S-2 (2')	Total/NA	Solid	8015NM Prep	
MB 880-130036/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-130036/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-130036/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-67465-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-67465-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

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## QC Association Summary

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com Flare Fire (1.1.26)

Job ID: 880-67466-1  
 SDG: 3104

## GC Semi VOA

## Analysis Batch: 130054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67466-1	S-1 (0-1')	Total/NA	Solid	8015B NM	130036
880-67466-2	S-1 (1.5')	Total/NA	Solid	8015B NM	130036
880-67466-3	S-1 (2')	Total/NA	Solid	8015B NM	130036
880-67466-4	S-2 (0-1')	Total/NA	Solid	8015B NM	130036
880-67466-5	S-2 (1.5')	Total/NA	Solid	8015B NM	130036
880-67466-6	S-2 (2')	Total/NA	Solid	8015B NM	130036
MB 880-130036/1-A	Method Blank	Total/NA	Solid	8015B NM	130036
LCS 880-130036/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	130036
LCSD 880-130036/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	130036
880-67465-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	130036
880-67465-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	130036

## Analysis Batch: 130364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67466-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-67466-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-67466-3	S-1 (2')	Total/NA	Solid	8015 NM	
880-67466-4	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-67466-5	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-67466-6	S-2 (2')	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 130030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67466-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-67466-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-67466-3	S-1 (2')	Soluble	Solid	DI Leach	
880-67466-4	S-2 (0-1')	Soluble	Solid	DI Leach	
880-67466-5	S-2 (1.5')	Soluble	Solid	DI Leach	
880-67466-6	S-2 (2')	Soluble	Solid	DI Leach	
MB 880-130030/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-130030/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-130030/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-67466-6 MS	S-2 (2')	Soluble	Solid	DI Leach	
880-67466-6 MSD	S-2 (2')	Soluble	Solid	DI Leach	

## Analysis Batch: 130123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67466-1	S-1 (0-1')	Soluble	Solid	300.0	130030
880-67466-2	S-1 (1.5')	Soluble	Solid	300.0	130030
880-67466-3	S-1 (2')	Soluble	Solid	300.0	130030
880-67466-4	S-2 (0-1')	Soluble	Solid	300.0	130030
880-67466-5	S-2 (1.5')	Soluble	Solid	300.0	130030
880-67466-6	S-2 (2')	Soluble	Solid	300.0	130030
MB 880-130030/1-A	Method Blank	Soluble	Solid	300.0	130030
LCS 880-130030/2-A	Lab Control Sample	Soluble	Solid	300.0	130030
LCSD 880-130030/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	130030
880-67466-6 MS	S-2 (2')	Soluble	Solid	300.0	130030
880-67466-6 MSD	S-2 (2')	Soluble	Solid	300.0	130030

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### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com Flare Fire (1.1.26)

Job ID: 880-67466-1  
 SDG: 3104

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

**Lab Sample ID: 880-67466-1**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	130053	01/28/26 09:22	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130113	01/28/26 15:13	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			130192	01/28/26 15:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			130364	01/29/26 00:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	130036	01/28/26 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	130054	01/29/26 00:32	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	130030	01/28/26 08:10	SA	EET MID
Soluble	Analysis	300.0		1			130123	01/28/26 18:13	CS	EET MID

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

**Lab Sample ID: 880-67466-2**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	130053	01/28/26 09:22	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130113	01/28/26 17:08	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			130192	01/28/26 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			130364	01/29/26 00:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	130036	01/28/26 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130054	01/29/26 00:45	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	130030	01/28/26 08:10	SA	EET MID
Soluble	Analysis	300.0		1			130123	01/28/26 18:20	CS	EET MID

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

**Lab Sample ID: 880-67466-3**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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	130053	01/28/26 09:22	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130113	01/28/26 17:28	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			130192	01/28/26 17:28	AJ	EET MID
Total/NA	Analysis	8015 NM		1			130364	01/29/26 00:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	130036	01/28/26 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130054	01/29/26 00:59	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	130030	01/28/26 08:10	SA	EET MID
Soluble	Analysis	300.0		1			130123	01/28/26 18:27	CS	EET MID

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

**Lab Sample ID: 880-67466-4**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	130053	01/28/26 09:22	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130113	01/28/26 17:49	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			130192	01/28/26 17:49	AJ	EET MID

Eurofins Midland

### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com Flare Fire (1.1.26)

Job ID: 880-67466-1  
 SDG: 3104

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

**Lab Sample ID: 880-67466-4**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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			130364	01/29/26 01:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	130036	01/28/26 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130054	01/29/26 01:14	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	130030	01/28/26 08:10	SA	EET MID
Soluble	Analysis	300.0		1			130123	01/28/26 18:34	CS	EET MID

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

**Lab Sample ID: 880-67466-5**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	130053	01/28/26 09:22	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130113	01/28/26 18:09	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			130192	01/28/26 18:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			130364	01/29/26 01:27	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	130036	01/28/26 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130054	01/29/26 01:27	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	130030	01/28/26 08:10	SA	EET MID
Soluble	Analysis	300.0		1			130123	01/28/26 18:41	CS	EET MID

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

**Lab Sample ID: 880-67466-6**

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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	130053	01/28/26 09:22	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130113	01/28/26 18:30	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			130192	01/28/26 18:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			130364	01/29/26 01:56	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	130036	01/28/26 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130054	01/29/26 01:56	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	130030	01/28/26 08:10	SA	EET MID
Soluble	Analysis	300.0		1			130123	01/28/26 18:48	CS	EET MID

**Laboratory References:**

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

### Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: Diamondback 22 State Com Flare Fire (1.1.26)

Job ID: 880-67466-1  
SDG: 3104

#### Laboratory: Eurofins Midland

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

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

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

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

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### Method Summary

Client: Carmona Resources  
Project/Site: Diamondback 22 State Com Flare Fire (1.1.26)

Job ID: 880-67466-1  
SDG: 3104

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: Diamondback 22 State Com Flare Fire (1.1.26)

Job ID: 880-67466-1  
SDG: 3104

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-67466-1	S-1 (0-1')	Solid	01/22/26 00:00	01/27/26 14:43	New Mexico
880-67466-2	S-1 (1.5')	Solid	01/22/26 00:00	01/27/26 14:43	New Mexico
880-67466-3	S-1 (2')	Solid	01/22/26 00:00	01/27/26 14:43	New Mexico
880-67466-4	S-2 (0-1')	Solid	01/22/26 00:00	01/27/26 14:43	New Mexico
880-67466-5	S-2 (1.5')	Solid	01/22/26 00:00	01/27/26 14:43	New Mexico
880-67466-6	S-2 (2')	Solid	01/22/26 00:00	01/27/26 14:43	New Mexico

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880-67466 Chain of Custody

Chain of Custody

Page 1 of 1

**Work Order Comments**

Program: UST/PST  PRP  Rowfields  IRC  perfund

State of Project: Reporting: Level II  Level III  ST/UST  RRP  Level IV

Deliverables: EDD  ADaPT  Other:

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

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

Project Name:	Project Number:	Project Location:	Sampler's Name:	PO #:	Turn Around		Pres. Code	ANALYSIS REQUEST	Preservative Codes
					<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush			
Diamondback 22 State Corn 5H Flare Fire (1.1.26)	3104	Eddy County, New Mexico	FV		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush			None: NO DI Water: H <sub>2</sub> O Cool: Cool MeOH: Me HCL: HC HNO <sub>3</sub> : HN H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAFP
<b>SAMPLE RECEIPT</b> Received Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Cooler Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Sample Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Total Containers:					Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Thermometer ID: 125 Correction Factor: -0.1 Temperature Reading: 50.1 Corrected Temperature: 50.0		Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Parameters:		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont			Sample Comments
S-1 (0-1')	1/22/2026		X		G	1	BTEX 8021B		
S-1 (1.5')	1/22/2026		X		G	1	TPH 8015M (GRO + DRO + MRO)		
S-1 (2')	1/22/2026		X		G	1	Chloride 300.0		
S-2 (0-1')	1/22/2026		X		G	1			
S-2 (1.5')	1/22/2026		X		G	1			
S-2 (2')	1/22/2026		X		G	1			

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

Relinquished by: (Signature) *[Signature]* Date/Time: 1/27/26 14:43

Received by: (Signature) *[Signature]* Date/Time: 1-27-26 1443

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### Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-67466-1

SDG Number: 3104

Login Number: 67466

List Number: 1

Creator: Dyal, Erica

List Source: Eurofins Midland

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

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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 2/18/2026 8:17:55 PM

## JOB DESCRIPTION

Diamondback 22 State Com 5H Flare Fire (1.1.26)  
 Eddy County New Mexico

## JOB NUMBER

880-68275-1

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  
2/18/2026 8:17:55 PM

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

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Client: Carmona Resources  
Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Laboratory Job ID: 880-68275-1  
SDG: Eddy County New Mexico

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## Definitions/Glossary

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
 SDG: Eddy County New Mexico

## Qualifiers

## GC VOA

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

## GC Semi VOA

Qualifier	Qualifier Description
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: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1

**Job ID: 880-68275-1**

**Eurofins Midland**

### Job Narrative 880-68275-1

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

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

#### Receipt

The samples were received on 2/13/2026 3:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -6.0°C.

#### GC VOA

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-132225 and analytical batch 880-132162 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-1 (1.5') (880-68275-1), CS-3 (1.5') (880-68275-3), CS-4 (0.25') (880-68275-4), SW-1 (1.5') (880-68275-6), (880-68275-A-1-C MS) and (880-68275-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-3 (1.5') (880-68275-8), SW-4 (0.25-1.5') (880-68275-9), SW-5 (0.25") (880-68275-10) and SW-6 (0.25") (880-68275-11). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

#### Diesel Range Organics

Method 8015B NM: Surrogate recovery for the following sample was outside the upper control limit: CS-5 (0.25') (880-68275-5). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-131835/2-A), (LCSD 880-131835/3-A) and (880-68271-A-1-C MSD). Evidence of matrix interferences is not obvious.

Method 8015B NM: The surrogate recovery for the blank associated with preparation batch 880-131836 and analytical batch 880-132065 was outside the upper control limits.

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

#### HPLC/IC

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

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
 SDG: Eddy County New Mexico

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-68275-1

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

## 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		02/18/26 07:00	02/18/26 11:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/18/26 07:00	02/18/26 11:42	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		02/18/26 07:00	02/18/26 11:42	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/18/26 07:00	02/18/26 11:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/18/26 07:00	02/18/26 11:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/18/26 07:00	02/18/26 11:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130	02/18/26 07:00	02/18/26 11:42	1
1,4-Difluorobenzene (Surr)	94		70 - 130	02/18/26 07:00	02/18/26 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/18/26 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/17/26 23:11	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	<49.9	U	49.9		mg/Kg		02/15/26 18:06	02/17/26 23:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/15/26 18:06	02/17/26 23:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/15/26 18:06	02/17/26 23:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130	02/15/26 18:06	02/17/26 23:11	1
o-Terphenyl (Surr)	122		70 - 130	02/15/26 18:06	02/17/26 23:11	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			02/17/26 14:21	1

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-68275-2

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/18/26 07:00	02/18/26 12:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/18/26 07:00	02/18/26 12:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/18/26 07:00	02/18/26 12:02	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/18/26 07:00	02/18/26 12:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/18/26 07:00	02/18/26 12:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/18/26 07:00	02/18/26 12:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	02/18/26 07:00	02/18/26 12:02	1
1,4-Difluorobenzene (Surr)	84		70 - 130	02/18/26 07:00	02/18/26 12:02	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
 SDG: Eddy County New Mexico

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

**Lab Sample ID: 880-68275-2**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/18/26 12:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/26 23:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/17/26 23:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/17/26 23:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/17/26 23:26	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	111		70 - 130				02/15/26 18:06	02/17/26 23:26	1
o-Terphenyl (Surr)	120		70 - 130				02/15/26 18:06	02/17/26 23:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.2		10.1		mg/Kg			02/17/26 14:26	1

**Client Sample ID: CS-3 (1.5')**

**Lab Sample ID: 880-68275-3**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/18/26 11:38	02/18/26 12:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/18/26 11:38	02/18/26 12:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/18/26 11:38	02/18/26 12:23	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		02/18/26 11:38	02/18/26 12:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/18/26 11:38	02/18/26 12:23	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/18/26 11:38	02/18/26 12:23	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				02/18/26 11:38	02/18/26 12:23	1
1,4-Difluorobenzene (Surr)	80		70 - 130				02/18/26 11:38	02/18/26 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/18/26 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/17/26 23:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/15/26 18:06	02/17/26 23:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/15/26 18:06	02/17/26 23:40	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
 SDG: Eddy County New Mexico

**Client Sample ID: CS-3 (1.5')**

**Lab Sample ID: 880-68275-3**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/15/26 18:06	02/17/26 23:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130				02/15/26 18:06	02/17/26 23:40	1
o-Terphenyl (Surr)	115		70 - 130				02/15/26 18:06	02/17/26 23:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.1		10.1		mg/Kg			02/17/26 14:31	1

**Client Sample ID: CS-4 (0.25')**

**Lab Sample ID: 880-68275-4**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

**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		02/18/26 11:38	02/18/26 12:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/18/26 11:38	02/18/26 12:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/18/26 11:38	02/18/26 12:43	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/18/26 11:38	02/18/26 12:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/18/26 11:38	02/18/26 12:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/18/26 11:38	02/18/26 12:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				02/18/26 11:38	02/18/26 12:43	1
1,4-Difluorobenzene (Surr)	93		70 - 130				02/18/26 11:38	02/18/26 12:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/18/26 12:43	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			02/17/26 23:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/17/26 23:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/17/26 23:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/17/26 23:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130				02/15/26 18:06	02/17/26 23:55	1
o-Terphenyl (Surr)	112		70 - 130				02/15/26 18:06	02/17/26 23:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.3		9.94		mg/Kg			02/17/26 14:36	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
 SDG: Eddy County New Mexico

**Client Sample ID: CS-5 (0.25')**

**Lab Sample ID: 880-68275-5**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

**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		02/18/26 11:38	02/18/26 13:04	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/18/26 11:38	02/18/26 13:04	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/18/26 11:38	02/18/26 13:04	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/18/26 11:38	02/18/26 13:04	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/18/26 11:38	02/18/26 13:04	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/18/26 11:38	02/18/26 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	02/18/26 11:38	02/18/26 13:04	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/18/26 11:38	02/18/26 13:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/18/26 13:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/18/26 00:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/18/26 00:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/18/26 00:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/18/26 00:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130	02/15/26 18:06	02/18/26 00:09	1
o-Terphenyl (Surr)	157	S1+	70 - 130	02/15/26 18:06	02/18/26 00:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.7		9.96		mg/Kg			02/17/26 14:42	1

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

**Lab Sample ID: 880-68275-6**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

**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		02/18/26 11:38	02/18/26 13:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/18/26 11:38	02/18/26 13:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/18/26 11:38	02/18/26 13:24	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/18/26 11:38	02/18/26 13:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/18/26 11:38	02/18/26 13:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/18/26 11:38	02/18/26 13:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130	02/18/26 11:38	02/18/26 13:24	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/18/26 11:38	02/18/26 13:24	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
 SDG: Eddy County New Mexico

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

**Lab Sample ID: 880-68275-6**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

**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			02/18/26 13:24	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			02/18/26 00:24	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		02/15/26 18:06	02/18/26 00:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/15/26 18:06	02/18/26 00:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/15/26 18:06	02/18/26 00:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130	02/15/26 18:06	02/18/26 00:24	1
o-Terphenyl (Surr)	120		70 - 130	02/15/26 18:06	02/18/26 00:24	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			02/17/26 14:58	1

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

**Lab Sample ID: 880-68275-7**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

**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		02/18/26 11:38	02/18/26 16:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/18/26 11:38	02/18/26 16:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/18/26 11:38	02/18/26 16:21	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/18/26 11:38	02/18/26 16:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/18/26 11:38	02/18/26 16:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/18/26 11:38	02/18/26 16:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	02/18/26 11:38	02/18/26 16:21	1
1,4-Difluorobenzene (Surr)	83		70 - 130	02/18/26 11:38	02/18/26 16:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/18/26 16:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/18/26 00:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/18/26 00:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/18/26 00:37	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
 SDG: Eddy County New Mexico

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

**Lab Sample ID: 880-68275-7**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/18/26 00:37	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	118		70 - 130				02/15/26 18:06	02/18/26 00:37	1
o-Terphenyl (Surr)	126		70 - 130				02/15/26 18:06	02/18/26 00:37	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			02/17/26 15:03	1

**Client Sample ID: SW-3 (1.5')**

**Lab Sample ID: 880-68275-8**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/18/26 11:38	02/18/26 16:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/18/26 11:38	02/18/26 16:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/18/26 11:38	02/18/26 16:42	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/18/26 11:38	02/18/26 16:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/18/26 11:38	02/18/26 16:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/18/26 11:38	02/18/26 16:42	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	155	S1+	70 - 130				02/18/26 11:38	02/18/26 16:42	1
1,4-Difluorobenzene (Surr)	105		70 - 130				02/18/26 11:38	02/18/26 16:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/18/26 16:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/18/26 00:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		02/15/26 18:06	02/18/26 00:53	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/15/26 18:06	02/18/26 00:53	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/15/26 18:06	02/18/26 00:53	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	102		70 - 130				02/15/26 18:06	02/18/26 00:53	1
o-Terphenyl (Surr)	105		70 - 130				02/15/26 18:06	02/18/26 00:53	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			02/17/26 15:19	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
 SDG: Eddy County New Mexico

**Client Sample ID: SW-4 (0.25-1.5')**

**Lab Sample ID: 880-68275-9**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/18/26 11:38	02/18/26 17:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/18/26 11:38	02/18/26 17:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/18/26 11:38	02/18/26 17:02	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		02/18/26 11:38	02/18/26 17:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/18/26 11:38	02/18/26 17:02	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/18/26 11:38	02/18/26 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130	02/18/26 11:38	02/18/26 17:02	1
1,4-Difluorobenzene (Surr)	92		70 - 130	02/18/26 11:38	02/18/26 17:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/18/26 17:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/26 17:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/26 18:08	02/17/26 17:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 18:08	02/17/26 17:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 18:08	02/17/26 17:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130	02/15/26 18:08	02/17/26 17:05	1
o-Terphenyl (Surr)	107		70 - 130	02/15/26 18:08	02/17/26 17:05	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			02/17/26 15:24	1

**Client Sample ID: SW-5 (0.25")**

**Lab Sample ID: 880-68275-10**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

**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		02/18/26 11:38	02/18/26 17:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/18/26 11:38	02/18/26 17:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/18/26 11:38	02/18/26 17:23	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/18/26 11:38	02/18/26 17:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/18/26 11:38	02/18/26 17:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/18/26 11:38	02/18/26 17:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130	02/18/26 11:38	02/18/26 17:23	1
1,4-Difluorobenzene (Surr)	89		70 - 130	02/18/26 11:38	02/18/26 17:23	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
 SDG: Eddy County New Mexico

**Client Sample ID: SW-5 (0.25")**

**Lab Sample ID: 880-68275-10**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

**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			02/18/26 17:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/17/26 17:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		02/15/26 18:08	02/17/26 17:50	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/15/26 18:08	02/17/26 17:50	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/15/26 18:08	02/17/26 17:50	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	96		70 - 130				02/15/26 18:08	02/17/26 17:50	1
o-Terphenyl (Surr)	101		70 - 130				02/15/26 18:08	02/17/26 17:50	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			02/17/26 15:29	1

**Client Sample ID: SW-6 (0.25")**

**Lab Sample ID: 880-68275-11**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

**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		02/18/26 11:38	02/18/26 17:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/18/26 11:38	02/18/26 17:43	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/18/26 11:38	02/18/26 17:43	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/18/26 11:38	02/18/26 17:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/18/26 11:38	02/18/26 17:43	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/18/26 11:38	02/18/26 17:43	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130				02/18/26 11:38	02/18/26 17:43	1
1,4-Difluorobenzene (Surr)	88		70 - 130				02/18/26 11:38	02/18/26 17:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/18/26 17:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/26 18:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/26 18:08	02/17/26 18:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 18:08	02/17/26 18:05	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
 SDG: Eddy County New Mexico

**Client Sample ID: SW-6 (0.25")**

**Lab Sample ID: 880-68275-11**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 18:08	02/17/26 18:05	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	86		70 - 130				02/15/26 18:08	02/17/26 18:05	1
o-Terphenyl (Surr)	92		70 - 130				02/15/26 18:08	02/17/26 18:05	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			02/17/26 15:34	1

**Client Sample ID: SW-7 (0.25')**

**Lab Sample ID: 880-68275-12**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

**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		02/18/26 11:38	02/18/26 18:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/18/26 11:38	02/18/26 18:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/18/26 11:38	02/18/26 18:04	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/18/26 11:38	02/18/26 18:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/18/26 11:38	02/18/26 18:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/18/26 11:38	02/18/26 18:04	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	126		70 - 130				02/18/26 11:38	02/18/26 18:04	1
1,4-Difluorobenzene (Surr)	90		70 - 130				02/18/26 11:38	02/18/26 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/18/26 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/17/26 18:20	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		02/15/26 18:08	02/17/26 18:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/15/26 18:08	02/17/26 18:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/15/26 18:08	02/17/26 18:20	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	105		70 - 130				02/15/26 18:08	02/17/26 18:20	1
o-Terphenyl (Surr)	111		70 - 130				02/15/26 18:08	02/17/26 18:20	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			02/17/26 15:40	1

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### Surrogate Summary

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
 SDG: Eddy County New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-68275-1	CS-1 (1.5')	147 S1+	94
880-68275-1 MS	CS-1 (1.5')	137 S1+	84
880-68275-1 MSD	CS-1 (1.5')	132 S1+	83
880-68275-2	CS-2 (1.5')	124	84
880-68275-3	CS-3 (1.5')	132 S1+	80
880-68275-4	CS-4 (0.25')	132 S1+	93
880-68275-5	CS-5 (0.25')	124	95
880-68275-6	SW-1 (1.5')	148 S1+	95
880-68275-7	SW-2 (1.5')	125	83
880-68275-8	SW-3 (1.5')	155 S1+	105
880-68275-9	SW-4 (0.25-1.5')	142 S1+	92
880-68275-10	SW-5 (0.25")	147 S1+	89
880-68275-11	SW-6 (0.25")	153 S1+	88
880-68275-12	SW-7 (0.25')	126	90
LCS 880-132225/1-A	Lab Control Sample	101	81
LCSD 880-132225/2-A	Lab Control Sample Dup	99	85
MB 880-132225/5-A	Method Blank	127	84

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

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-68271-A-1-B MS	Matrix Spike	126	119
880-68271-A-1-C MSD	Matrix Spike Duplicate	133 S1+	122
880-68275-1	CS-1 (1.5')	111	122
880-68275-2	CS-2 (1.5')	111	120
880-68275-3	CS-3 (1.5')	106	115
880-68275-4	CS-4 (0.25')	105	112
880-68275-5	CS-5 (0.25')	109	157 S1+
880-68275-6	SW-1 (1.5')	114	120
880-68275-7	SW-2 (1.5')	118	126
880-68275-8	SW-3 (1.5')	102	105
880-68275-9	SW-4 (0.25-1.5')	99	107
880-68275-9 MS	SW-4 (0.25-1.5')	93	101
880-68275-9 MSD	SW-4 (0.25-1.5')	94	102
880-68275-10	SW-5 (0.25")	96	101
880-68275-11	SW-6 (0.25")	86	92
880-68275-12	SW-7 (0.25')	105	111
LCS 880-131835/2-A	Lab Control Sample	139 S1+	123
LCS 880-131836/2-A	Lab Control Sample	94	99
LCSD 880-131835/3-A	Lab Control Sample Dup	141 S1+	129
LCSD 880-131836/3-A	Lab Control Sample Dup	94	99
MB 880-131835/1-A	Method Blank	101	102
MB 880-131836/1-A	Method Blank	128	136 S1+

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### Surrogate Summary

Client: Carmona Resources

Job ID: 880-68275-1

Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

SDG: Eddy County New Mexico

**Surrogate Legend**

---

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

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

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
 SDG: Eddy County New Mexico

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

Lab Sample ID: MB 880-132225/5-A  
 Matrix: Solid  
 Analysis Batch: 132162

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 132225

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/18/26 07:00	02/18/26 11:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/18/26 07:00	02/18/26 11:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/18/26 07:00	02/18/26 11:20	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/18/26 07:00	02/18/26 11:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/18/26 07:00	02/18/26 11:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/18/26 07:00	02/18/26 11:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	02/18/26 07:00	02/18/26 11:20	1
1,4-Difluorobenzene (Surr)	84		70 - 130	02/18/26 07:00	02/18/26 11:20	1

Lab Sample ID: LCS 880-132225/1-A  
 Matrix: Solid  
 Analysis Batch: 132162

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 132225

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1162		mg/Kg		116	70 - 130
Toluene	0.100	0.1150		mg/Kg		115	70 - 130
Ethylbenzene	0.100	0.1127		mg/Kg		113	70 - 130
m,p-Xylenes	0.200	0.1790		mg/Kg		90	70 - 130
o-Xylene	0.100	0.09012		mg/Kg		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	81		70 - 130

Lab Sample ID: LCSD 880-132225/2-A  
 Matrix: Solid  
 Analysis Batch: 132162

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 132225

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1282		mg/Kg		128	70 - 130	10	35
Toluene	0.100	0.1159		mg/Kg		116	70 - 130	1	35
Ethylbenzene	0.100	0.1090		mg/Kg		109	70 - 130	3	35
m,p-Xylenes	0.200	0.1782		mg/Kg		89	70 - 130	0	35
o-Xylene	0.100	0.09045		mg/Kg		90	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 880-68275-1 MS  
 Matrix: Solid  
 Analysis Batch: 132162

Client Sample ID: CS-1 (1.5')  
 Prep Type: Total/NA  
 Prep Batch: 132225

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1111		mg/Kg		111	70 - 130
Toluene	<0.00200	U	0.100	0.09882		mg/Kg		99	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
 SDG: Eddy County New Mexico

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

Lab Sample ID: 880-68275-1 MS  
 Matrix: Solid  
 Analysis Batch: 132162

Client Sample ID: CS-1 (1.5')  
 Prep Type: Total/NA  
 Prep Batch: 132225

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F1	0.100	0.1114		mg/Kg		111	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1934		mg/Kg		97	70 - 130
o-Xylene	<0.00200	U	0.100	0.1001		mg/Kg		100	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: 880-68275-1 MSD  
 Matrix: Solid  
 Analysis Batch: 132162

Client Sample ID: CS-1 (1.5')  
 Prep Type: Total/NA  
 Prep Batch: 132225

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1285		mg/Kg		129	70 - 130	15	35
Toluene	<0.00200	U	0.100	0.1279		mg/Kg		128	70 - 130	26	35
Ethylbenzene	<0.00200	U F1	0.100	0.1355	F1	mg/Kg		135	70 - 130	20	35
m,p-Xylenes	<0.00399	U	0.200	0.2427		mg/Kg		121	70 - 130	23	35
o-Xylene	<0.00200	U	0.100	0.1229		mg/Kg		123	70 - 130	20	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

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

Lab Sample ID: MB 880-131835/1-A  
 Matrix: Solid  
 Analysis Batch: 132022

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 131835

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		02/15/26 18:06	02/17/26 18:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/17/26 18:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/17/26 18:53	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130	02/15/26 18:06	02/17/26 18:53	1
o-Terphenyl (Surr)	102		70 - 130	02/15/26 18:06	02/17/26 18:53	1

Lab Sample ID: LCS 880-131835/2-A  
 Matrix: Solid  
 Analysis Batch: 132022

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 131835

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1011		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1091		mg/Kg		109	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
 SDG: Eddy County New Mexico

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

**Lab Sample ID: LCS 880-131835/2-A**  
**Matrix: Solid**  
**Analysis Batch: 132022**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 131835**

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	139	S1+	70 - 130
o-Terphenyl (Surr)	123		70 - 130

**Lab Sample ID: LCSD 880-131835/3-A**  
**Matrix: Solid**  
**Analysis Batch: 132022**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 131835**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	992.6		mg/Kg		99	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	1000	1141		mg/Kg		114	70 - 130	5	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	141	S1+	70 - 130
o-Terphenyl (Surr)	129		70 - 130

**Lab Sample ID: 880-68271-A-1-B MS**  
**Matrix: Solid**  
**Analysis Batch: 132022**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 131835**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	999	1057		mg/Kg		106	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.1	U	999	986.8		mg/Kg		99	70 - 130	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	126		70 - 130
o-Terphenyl (Surr)	119		70 - 130

**Lab Sample ID: 880-68271-A-1-C MSD**  
**Matrix: Solid**  
**Analysis Batch: 132022**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 131835**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	999	1037		mg/Kg		104	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	<50.1	U	999	959.4		mg/Kg		96	70 - 130	3	20	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	133	S1+	70 - 130
o-Terphenyl (Surr)	122		70 - 130

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
 SDG: Eddy County New Mexico

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

**Lab Sample ID: MB 880-131836/1-A**  
**Matrix: Solid**  
**Analysis Batch: 132065**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 131836**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/26 18:08	02/17/26 16:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 18:08	02/17/26 16:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 18:08	02/17/26 16:14	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	128		70 - 130	02/15/26 18:08	02/17/26 16:14	1
o-Terphenyl (Surr)	136	S1+	70 - 130	02/15/26 18:08	02/17/26 16:14	1

**Lab Sample ID: LCS 880-131836/2-A**  
**Matrix: Solid**  
**Analysis Batch: 132065**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 131836**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	989.5		mg/Kg		99	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	94		70 - 130
o-Terphenyl (Surr)	99		70 - 130

**Lab Sample ID: LCSD 880-131836/3-A**  
**Matrix: Solid**  
**Analysis Batch: 132065**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 131836**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	950.2		mg/Kg		95	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	948.9		mg/Kg		95	70 - 130	4	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	94		70 - 130
o-Terphenyl (Surr)	99		70 - 130

**Lab Sample ID: 880-68275-9 MS**  
**Matrix: Solid**  
**Analysis Batch: 132065**

**Client Sample ID: SW-4 (0.25-1.5')**  
**Prep Type: Total/NA**  
**Prep Batch: 131836**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	864.7		mg/Kg		86	70 - 130

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
 SDG: Eddy County New Mexico

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

Lab Sample ID: 880-68275-9 MS  
 Matrix: Solid  
 Analysis Batch: 132065

Client Sample ID: SW-4 (0.25-1.5')  
 Prep Type: Total/NA  
 Prep Batch: 131836

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	93		70 - 130
o-Terphenyl (Surr)	101		70 - 130

Lab Sample ID: 880-68275-9 MSD  
 Matrix: Solid  
 Analysis Batch: 132065

Client Sample ID: SW-4 (0.25-1.5')  
 Prep Type: Total/NA  
 Prep Batch: 131836

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	906.5		mg/Kg		90	70 - 130	1		20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	873.6		mg/Kg		87	70 - 130	1		20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	94		70 - 130
o-Terphenyl (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-131980/1-A  
 Matrix: Solid  
 Analysis Batch: 132007

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			02/17/26 10:36	1

Lab Sample ID: LCS 880-131980/2-A  
 Matrix: Solid  
 Analysis Batch: 132007

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	236.0		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-131980/3-A  
 Matrix: Solid  
 Analysis Batch: 132007

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Chloride	250	232.0		mg/Kg		93	90 - 110	2	20

Lab Sample ID: 880-68275-5 MS  
 Matrix: Solid  
 Analysis Batch: 132007

Client Sample ID: CS-5 (0.25')  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	63.7		249	305.7		mg/Kg		97	90 - 110

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### QC Sample Results

Client: Carmona Resources  
Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
SDG: Eddy County New Mexico

#### Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-68275-5 MSD  
Matrix: Solid  
Analysis Batch: 132007

Client Sample ID: CS-5 (0.25')  
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	63.7		249	306.1		mg/Kg		97	90 - 110	0	20

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

### QC Association Summary

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
 SDG: Eddy County New Mexico

#### GC VOA

##### Analysis Batch: 132162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68275-1	CS-1 (1.5')	Total/NA	Solid	8021B	132225
880-68275-2	CS-2 (1.5')	Total/NA	Solid	8021B	132225
880-68275-3	CS-3 (1.5')	Total/NA	Solid	8021B	132225
880-68275-4	CS-4 (0.25')	Total/NA	Solid	8021B	132225
880-68275-5	CS-5 (0.25')	Total/NA	Solid	8021B	132225
880-68275-6	SW-1 (1.5')	Total/NA	Solid	8021B	132225
880-68275-7	SW-2 (1.5')	Total/NA	Solid	8021B	132225
880-68275-8	SW-3 (1.5')	Total/NA	Solid	8021B	132225
880-68275-9	SW-4 (0.25-1.5')	Total/NA	Solid	8021B	132225
880-68275-10	SW-5 (0.25")	Total/NA	Solid	8021B	132225
880-68275-11	SW-6 (0.25")	Total/NA	Solid	8021B	132225
880-68275-12	SW-7 (0.25')	Total/NA	Solid	8021B	132225
MB 880-132225/5-A	Method Blank	Total/NA	Solid	8021B	132225
LCS 880-132225/1-A	Lab Control Sample	Total/NA	Solid	8021B	132225
LCS D 880-132225/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	132225
880-68275-1 MS	CS-1 (1.5')	Total/NA	Solid	8021B	132225
880-68275-1 MSD	CS-1 (1.5')	Total/NA	Solid	8021B	132225

##### Prep Batch: 132225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68275-1	CS-1 (1.5')	Total/NA	Solid	5035	
880-68275-2	CS-2 (1.5')	Total/NA	Solid	5035	
880-68275-3	CS-3 (1.5')	Total/NA	Solid	5035	
880-68275-4	CS-4 (0.25')	Total/NA	Solid	5035	
880-68275-5	CS-5 (0.25')	Total/NA	Solid	5035	
880-68275-6	SW-1 (1.5')	Total/NA	Solid	5035	
880-68275-7	SW-2 (1.5')	Total/NA	Solid	5035	
880-68275-8	SW-3 (1.5')	Total/NA	Solid	5035	
880-68275-9	SW-4 (0.25-1.5')	Total/NA	Solid	5035	
880-68275-10	SW-5 (0.25")	Total/NA	Solid	5035	
880-68275-11	SW-6 (0.25")	Total/NA	Solid	5035	
880-68275-12	SW-7 (0.25')	Total/NA	Solid	5035	
MB 880-132225/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-132225/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCS D 880-132225/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-68275-1 MS	CS-1 (1.5')	Total/NA	Solid	5035	
880-68275-1 MSD	CS-1 (1.5')	Total/NA	Solid	5035	

##### Analysis Batch: 132283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68275-1	CS-1 (1.5')	Total/NA	Solid	Total BTEX	
880-68275-2	CS-2 (1.5')	Total/NA	Solid	Total BTEX	
880-68275-3	CS-3 (1.5')	Total/NA	Solid	Total BTEX	
880-68275-4	CS-4 (0.25')	Total/NA	Solid	Total BTEX	
880-68275-5	CS-5 (0.25')	Total/NA	Solid	Total BTEX	
880-68275-6	SW-1 (1.5')	Total/NA	Solid	Total BTEX	
880-68275-7	SW-2 (1.5')	Total/NA	Solid	Total BTEX	
880-68275-8	SW-3 (1.5')	Total/NA	Solid	Total BTEX	
880-68275-9	SW-4 (0.25-1.5')	Total/NA	Solid	Total BTEX	
880-68275-10	SW-5 (0.25")	Total/NA	Solid	Total BTEX	
880-68275-11	SW-6 (0.25")	Total/NA	Solid	Total BTEX	

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### QC Association Summary

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
 SDG: Eddy County New Mexico

#### GC VOA (Continued)

##### Analysis Batch: 132283 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68275-12	SW-7 (0.25')	Total/NA	Solid	Total BTEX	

#### GC Semi VOA

##### Prep Batch: 131835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68275-1	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-68275-2	CS-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-68275-3	CS-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-68275-4	CS-4 (0.25')	Total/NA	Solid	8015NM Prep	
880-68275-5	CS-5 (0.25')	Total/NA	Solid	8015NM Prep	
880-68275-6	SW-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-68275-7	SW-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-68275-8	SW-3 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-131835/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-131835/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-131835/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-68271-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-68271-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

##### Prep Batch: 131836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68275-9	SW-4 (0.25-1.5')	Total/NA	Solid	8015NM Prep	
880-68275-10	SW-5 (0.25")	Total/NA	Solid	8015NM Prep	
880-68275-11	SW-6 (0.25")	Total/NA	Solid	8015NM Prep	
880-68275-12	SW-7 (0.25')	Total/NA	Solid	8015NM Prep	
MB 880-131836/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-131836/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-131836/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-68275-9 MS	SW-4 (0.25-1.5')	Total/NA	Solid	8015NM Prep	
880-68275-9 MSD	SW-4 (0.25-1.5')	Total/NA	Solid	8015NM Prep	

##### Analysis Batch: 132022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68275-1	CS-1 (1.5')	Total/NA	Solid	8015B NM	131835
880-68275-2	CS-2 (1.5')	Total/NA	Solid	8015B NM	131835
880-68275-3	CS-3 (1.5')	Total/NA	Solid	8015B NM	131835
880-68275-4	CS-4 (0.25')	Total/NA	Solid	8015B NM	131835
880-68275-5	CS-5 (0.25')	Total/NA	Solid	8015B NM	131835
880-68275-6	SW-1 (1.5')	Total/NA	Solid	8015B NM	131835
880-68275-7	SW-2 (1.5')	Total/NA	Solid	8015B NM	131835
880-68275-8	SW-3 (1.5')	Total/NA	Solid	8015B NM	131835
MB 880-131835/1-A	Method Blank	Total/NA	Solid	8015B NM	131835
LCS 880-131835/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	131835
LCSD 880-131835/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	131835
880-68271-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	131835
880-68271-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	131835

##### Analysis Batch: 132065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68275-9	SW-4 (0.25-1.5')	Total/NA	Solid	8015B NM	131836

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## QC Association Summary

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
 SDG: Eddy County New Mexico

## GC Semi VOA (Continued)

## Analysis Batch: 132065 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68275-10	SW-5 (0.25")	Total/NA	Solid	8015B NM	131836
880-68275-11	SW-6 (0.25")	Total/NA	Solid	8015B NM	131836
880-68275-12	SW-7 (0.25')	Total/NA	Solid	8015B NM	131836
MB 880-131836/1-A	Method Blank	Total/NA	Solid	8015B NM	131836
LCS 880-131836/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	131836
LCSD 880-131836/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	131836
880-68275-9 MS	SW-4 (0.25-1.5')	Total/NA	Solid	8015B NM	131836
880-68275-9 MSD	SW-4 (0.25-1.5')	Total/NA	Solid	8015B NM	131836

## Analysis Batch: 132203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68275-1	CS-1 (1.5')	Total/NA	Solid	8015 NM	
880-68275-2	CS-2 (1.5')	Total/NA	Solid	8015 NM	
880-68275-3	CS-3 (1.5')	Total/NA	Solid	8015 NM	
880-68275-4	CS-4 (0.25')	Total/NA	Solid	8015 NM	
880-68275-5	CS-5 (0.25')	Total/NA	Solid	8015 NM	
880-68275-6	SW-1 (1.5')	Total/NA	Solid	8015 NM	
880-68275-7	SW-2 (1.5')	Total/NA	Solid	8015 NM	
880-68275-8	SW-3 (1.5')	Total/NA	Solid	8015 NM	
880-68275-9	SW-4 (0.25-1.5')	Total/NA	Solid	8015 NM	
880-68275-10	SW-5 (0.25")	Total/NA	Solid	8015 NM	
880-68275-11	SW-6 (0.25")	Total/NA	Solid	8015 NM	
880-68275-12	SW-7 (0.25')	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 131980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68275-1	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-68275-2	CS-2 (1.5')	Soluble	Solid	DI Leach	
880-68275-3	CS-3 (1.5')	Soluble	Solid	DI Leach	
880-68275-4	CS-4 (0.25')	Soluble	Solid	DI Leach	
880-68275-5	CS-5 (0.25')	Soluble	Solid	DI Leach	
880-68275-6	SW-1 (1.5')	Soluble	Solid	DI Leach	
880-68275-7	SW-2 (1.5')	Soluble	Solid	DI Leach	
880-68275-8	SW-3 (1.5')	Soluble	Solid	DI Leach	
880-68275-9	SW-4 (0.25-1.5')	Soluble	Solid	DI Leach	
880-68275-10	SW-5 (0.25")	Soluble	Solid	DI Leach	
880-68275-11	SW-6 (0.25")	Soluble	Solid	DI Leach	
880-68275-12	SW-7 (0.25')	Soluble	Solid	DI Leach	
MB 880-131980/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-131980/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-131980/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-68275-5 MS	CS-5 (0.25')	Soluble	Solid	DI Leach	
880-68275-5 MSD	CS-5 (0.25')	Soluble	Solid	DI Leach	

## Analysis Batch: 132007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68275-1	CS-1 (1.5')	Soluble	Solid	300.0	131980
880-68275-2	CS-2 (1.5')	Soluble	Solid	300.0	131980
880-68275-3	CS-3 (1.5')	Soluble	Solid	300.0	131980

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### QC Association Summary

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
 SDG: Eddy County New Mexico

#### HPLC/IC (Continued)

#### Analysis Batch: 132007 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68275-4	CS-4 (0.25')	Soluble	Solid	300.0	131980
880-68275-5	CS-5 (0.25')	Soluble	Solid	300.0	131980
880-68275-6	SW-1 (1.5')	Soluble	Solid	300.0	131980
880-68275-7	SW-2 (1.5')	Soluble	Solid	300.0	131980
880-68275-8	SW-3 (1.5')	Soluble	Solid	300.0	131980
880-68275-9	SW-4 (0.25-1.5')	Soluble	Solid	300.0	131980
880-68275-10	SW-5 (0.25")	Soluble	Solid	300.0	131980
880-68275-11	SW-6 (0.25")	Soluble	Solid	300.0	131980
880-68275-12	SW-7 (0.25')	Soluble	Solid	300.0	131980
MB 880-131980/1-A	Method Blank	Soluble	Solid	300.0	131980
LCS 880-131980/2-A	Lab Control Sample	Soluble	Solid	300.0	131980
LCSD 880-131980/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	131980
880-68275-5 MS	CS-5 (0.25')	Soluble	Solid	300.0	131980
880-68275-5 MSD	CS-5 (0.25')	Soluble	Solid	300.0	131980

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### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
 SDG: Eddy County New Mexico

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

**Lab Sample ID: 880-68275-1**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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	132225	02/18/26 07:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132162	02/18/26 11:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132283	02/18/26 11:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			132203	02/17/26 23:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	131835	02/15/26 18:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132022	02/17/26 23:11	SA	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	131980	02/16/26 14:29	SA	EET MID
Soluble	Analysis	300.0		1			132007	02/17/26 14:21	CS	EET MID

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

**Lab Sample ID: 880-68275-2**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	132225	02/18/26 07:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132162	02/18/26 12:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132283	02/18/26 12:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			132203	02/17/26 23:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131835	02/15/26 18:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132022	02/17/26 23:26	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	131980	02/16/26 14:29	SA	EET MID
Soluble	Analysis	300.0		1			132007	02/17/26 14:26	CS	EET MID

**Client Sample ID: CS-3 (1.5')**

**Lab Sample ID: 880-68275-3**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	132225	02/18/26 11:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132162	02/18/26 12:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132283	02/18/26 12:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			132203	02/17/26 23:40	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	131835	02/15/26 18:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132022	02/17/26 23:40	SA	EET MID
Soluble	Leach	DI Leach			4.966 g	50 mL	131980	02/16/26 14:29	SA	EET MID
Soluble	Analysis	300.0		1			132007	02/17/26 14:31	CS	EET MID

**Client Sample ID: CS-4 (0.25')**

**Lab Sample ID: 880-68275-4**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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	132225	02/18/26 11:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132162	02/18/26 12:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132283	02/18/26 12:43	SA	EET MID

Eurofins Midland

### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
 SDG: Eddy County New Mexico

**Client Sample ID: CS-4 (0.25')**

**Lab Sample ID: 880-68275-4**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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			132203	02/17/26 23:55	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	131835	02/15/26 18:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132022	02/17/26 23:55	SA	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	131980	02/16/26 14:29	SA	EET MID
Soluble	Analysis	300.0		1			132007	02/17/26 14:36	CS	EET MID

**Client Sample ID: CS-5 (0.25')**

**Lab Sample ID: 880-68275-5**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	132225	02/18/26 11:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132162	02/18/26 13:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132283	02/18/26 13:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			132203	02/18/26 00:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131835	02/15/26 18:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132022	02/18/26 00:09	SA	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	131980	02/16/26 14:29	SA	EET MID
Soluble	Analysis	300.0		1			132007	02/17/26 14:42	CS	EET MID

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

**Lab Sample ID: 880-68275-6**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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	132225	02/18/26 11:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132162	02/18/26 13:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132283	02/18/26 13:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			132203	02/18/26 00:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	131835	02/15/26 18:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132022	02/18/26 00:24	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	131980	02/16/26 14:29	SA	EET MID
Soluble	Analysis	300.0		1			132007	02/17/26 14:58	CS	EET MID

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

**Lab Sample ID: 880-68275-7**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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	132225	02/18/26 11:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132162	02/18/26 16:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132283	02/18/26 16:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			132203	02/18/26 00:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131835	02/15/26 18:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132022	02/18/26 00:37	SA	EET MID

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### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
 SDG: Eddy County New Mexico

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

**Lab Sample ID: 880-68275-7**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	131980	02/16/26 14:29	SA	EET MID
Soluble	Analysis	300.0		1			132007	02/17/26 15:03	CS	EET MID

**Client Sample ID: SW-3 (1.5')**

**Lab Sample ID: 880-68275-8**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	132225	02/18/26 11:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132162	02/18/26 16:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132283	02/18/26 16:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			132203	02/18/26 00:53	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	131835	02/15/26 18:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132022	02/18/26 00:53	SA	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	131980	02/16/26 14:29	SA	EET MID
Soluble	Analysis	300.0		1			132007	02/17/26 15:19	CS	EET MID

**Client Sample ID: SW-4 (0.25-1.5')**

**Lab Sample ID: 880-68275-9**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	132225	02/18/26 11:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132162	02/18/26 17:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132283	02/18/26 17:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			132203	02/17/26 17:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131836	02/15/26 18:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132065	02/17/26 17:05	SA	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	131980	02/16/26 14:29	SA	EET MID
Soluble	Analysis	300.0		1			132007	02/17/26 15:24	CS	EET MID

**Client Sample ID: SW-5 (0.25")**

**Lab Sample ID: 880-68275-10**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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	132225	02/18/26 11:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132162	02/18/26 17:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132283	02/18/26 17:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			132203	02/17/26 17:50	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	131836	02/15/26 18:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132065	02/17/26 17:50	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	131980	02/16/26 14:29	SA	EET MID
Soluble	Analysis	300.0		1			132007	02/17/26 15:29	CS	EET MID

### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
 SDG: Eddy County New Mexico

**Client Sample ID: SW-6 (0.25")**

**Lab Sample ID: 880-68275-11**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	132225	02/18/26 11:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132162	02/18/26 17:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132283	02/18/26 17:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			132203	02/17/26 18:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131836	02/15/26 18:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132065	02/17/26 18:05	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	131980	02/16/26 14:29	SA	EET MID
Soluble	Analysis	300.0		1			132007	02/17/26 15:34	CS	EET MID

**Client Sample ID: SW-7 (0.25')**

**Lab Sample ID: 880-68275-12**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	132225	02/18/26 11:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132162	02/18/26 18:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132283	02/18/26 18:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			132203	02/17/26 18:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	131836	02/15/26 18:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132065	02/17/26 18:20	SA	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	131980	02/16/26 14:29	SA	EET MID
Soluble	Analysis	300.0		1			132007	02/17/26 15:40	CS	EET MID

**Laboratory References:**

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

### Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
SDG: Eddy County New Mexico

#### Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date												
Texas	NELAP	T104704400	06-30-26												
<p>The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.</p> <table border="1"> <thead> <tr> <th>Analysis Method</th> <th>Prep Method</th> <th>Matrix</th> <th>Analyte</th> </tr> </thead> <tbody> <tr> <td>8015 NM</td> <td></td> <td>Solid</td> <td>Total TPH</td> </tr> <tr> <td>Total BTEX</td> <td></td> <td>Solid</td> <td>Total BTEX</td> </tr> </tbody> </table>				Analysis Method	Prep Method	Matrix	Analyte	8015 NM		Solid	Total TPH	Total BTEX		Solid	Total BTEX
Analysis Method	Prep Method	Matrix	Analyte												
8015 NM		Solid	Total TPH												
Total BTEX		Solid	Total BTEX												

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### Method Summary

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.1.26)

Job ID: 880-68275-1  
 SDG: Eddy County New Mexico

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

**Protocol References:**

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

**Laboratory References:**

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



### Sample Summary

Client: Carmona Resources  
Project/Site: Diamondback 22 State Com 5H Flare Fire  
(1.1.26)

Job ID: 880-68275-1  
SDG: Eddy County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-68275-1	CS-1 (1.5')	Solid	02/06/26 00:00	02/13/26 15:10	New Mexico
880-68275-2	CS-2 (1.5')	Solid	02/06/26 00:00	02/13/26 15:10	New Mexico
880-68275-3	CS-3 (1.5')	Solid	02/06/26 00:00	02/13/26 15:10	New Mexico
880-68275-4	CS-4 (0.25')	Solid	02/06/26 00:00	02/13/26 15:10	New Mexico
880-68275-5	CS-5 (0.25')	Solid	02/06/26 00:00	02/13/26 15:10	New Mexico
880-68275-6	SW-1 (1.5')	Solid	02/06/26 00:00	02/13/26 15:10	New Mexico
880-68275-7	SW-2 (1.5')	Solid	02/06/26 00:00	02/13/26 15:10	New Mexico
880-68275-8	SW-3 (1.5')	Solid	02/06/26 00:00	02/13/26 15:10	New Mexico
880-68275-9	SW-4 (0.25-1.5')	Solid	02/06/26 00:00	02/13/26 15:10	New Mexico
880-68275-10	SW-5 (0.25")	Solid	02/06/26 00:00	02/13/26 15:10	New Mexico
880-68275-11	SW-6 (0.25")	Solid	02/06/26 00:00	02/13/26 15:10	New Mexico
880-68275-12	SW-7 (0.25')	Solid	02/06/26 00:00	02/13/26 15:10	New Mexico

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### Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-68275-1  
SDG Number: Eddy County New Mexico

**Login Number: 68275**

**List Number: 1**

**Creator: Dyal, Erica**

**List Source: Eurofins Midland**

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

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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 2/18/2026 11:27:49 AM

## JOB DESCRIPTION

Diamondback 22 State Com 5H Flare Fire (1.12.6)  
 Eddy County New Mexico

## JOB NUMBER

880-68266-1

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  
2/18/2026 11:27:49 AM

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

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Client: Carmona Resources  
Project/Site: Diamondback 22 State Com 5H Flare Fire (1.12.6)

Laboratory Job ID: 880-68266-1  
SDG: Eddy County New Mexico

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## Definitions/Glossary

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.12.6)

Job ID: 880-68266-1  
 SDG: Eddy County New Mexico

## Qualifiers

## GC VOA

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

## GC Semi VOA

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

## HPLC/IC

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

## Glossary

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

## Case Narrative

Client: Carmona Resources  
Project: Diamondback 22 State Com 5H Flare Fire (1.12.6)

Job ID: 880-68266-1

**Job ID: 880-68266-1**

**Eurofins Midland**

### Job Narrative 880-68266-1

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

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

#### Receipt

The sample was received on 2/13/2026 3:10 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -6.0°C.

#### GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: Backfill (880-68266-1). Evidence of matrix interferences is not obvious.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-131928 and analytical batch 880-132047 was outside the upper control limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-131957 and analytical batch 880-132047 was outside the upper control limits.

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

#### Diesel Range Organics

Method 8015B NM: The surrogate recovery for the blank associated with preparation batch 880-131834 and analytical batch 880-132065 was outside the upper control limits.

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

#### HPLC/IC

Method 300.0 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-131979 and analytical batch 880-131998 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.12.6)

Job ID: 880-68266-1  
 SDG: Eddy County New Mexico

**Client Sample ID: Backfill**

**Lab Sample ID: 880-68266-1**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

**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		02/16/26 11:55	02/18/26 06:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/18/26 06:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/18/26 06:49	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		02/16/26 11:55	02/18/26 06:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/18/26 06:49	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/16/26 11:55	02/18/26 06:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	02/16/26 11:55	02/18/26 06:49	1
1,4-Difluorobenzene (Surr)	122		70 - 130	02/16/26 11:55	02/18/26 06:49	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			02/18/26 06:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/18/26 05:08	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		02/15/26 18:00	02/18/26 05:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/15/26 18:00	02/18/26 05:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/15/26 18:00	02/18/26 05:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130	02/15/26 18:00	02/18/26 05:08	1
o-Terphenyl (Surr)	113		70 - 130	02/15/26 18:00	02/18/26 05:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.4		9.96		mg/Kg			02/17/26 12:58	1

### Surrogate Summary

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.12.6)

Job ID: 880-68266-1  
 SDG: Eddy County New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-68266-1	Backfill	139 S1+	122
880-68271-A-1-E MS	Matrix Spike	101	89
880-68271-A-1-F MSD	Matrix Spike Duplicate	121	92
LCS 880-131928/1-A	Lab Control Sample	115	101
LCSD 880-131928/2-A	Lab Control Sample Dup	115	96
MB 880-131928/5-A	Method Blank	252 S1+	136 S1+
MB 880-131957/5-A	Method Blank	203 S1+	109

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-68265-A-11-B MS	Matrix Spike	103	107
880-68265-A-11-C MSD	Matrix Spike Duplicate	119	122
880-68266-1	Backfill	116	113
LCS 880-131834/2-A	Lab Control Sample	122	127
LCSD 880-131834/3-A	Lab Control Sample Dup	103	108
MB 880-131834/1-A	Method Blank	134 S1+	141 S1+

**Surrogate Legend**

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.12.6)

Job ID: 880-68266-1  
 SDG: Eddy County New Mexico

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

Lab Sample ID: MB 880-131928/5-A  
 Matrix: Solid  
 Analysis Batch: 132047

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 131928

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/17/26 22:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/17/26 22:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/17/26 22:22	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/16/26 11:55	02/17/26 22:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/17/26 22:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/16/26 11:55	02/17/26 22:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	252	S1+	70 - 130	02/16/26 11:55	02/17/26 22:22	1
1,4-Difluorobenzene (Surr)	136	S1+	70 - 130	02/16/26 11:55	02/17/26 22:22	1

Lab Sample ID: LCS 880-131928/1-A  
 Matrix: Solid  
 Analysis Batch: 132047

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 131928

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1153		mg/Kg		115	70 - 130
Toluene	0.100	0.1100		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.1062		mg/Kg		106	70 - 130
m,p-Xylenes	0.200	0.2372		mg/Kg		119	70 - 130
o-Xylene	0.100	0.1213		mg/Kg		121	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-131928/2-A  
 Matrix: Solid  
 Analysis Batch: 132047

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 131928

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1090		mg/Kg		109	70 - 130	6	35
Toluene	0.100	0.09669		mg/Kg		97	70 - 130	13	35
Ethylbenzene	0.100	0.1029		mg/Kg		103	70 - 130	3	35
m,p-Xylenes	0.200	0.2534		mg/Kg		127	70 - 130	7	35
o-Xylene	0.100	0.1304		mg/Kg		130	70 - 130	7	35

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

Lab Sample ID: 880-68271-A-1-E MS  
 Matrix: Solid  
 Analysis Batch: 132047

Client Sample ID: Matrix Spike  
 Prep Type: Total/NA  
 Prep Batch: 131928

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09036		mg/Kg		90	70 - 130
Toluene	<0.00200	U	0.100	0.08462		mg/Kg		85	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.12.6)

Job ID: 880-68266-1  
 SDG: Eddy County New Mexico

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

Lab Sample ID: 880-68271-A-1-E MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 132047

Prep Batch: 131928

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00200	U	0.100	0.07579		mg/Kg		76	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1868		mg/Kg		93	70 - 130
o-Xylene	<0.00200	U	0.100	0.09451		mg/Kg		95	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-68271-A-1-F MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 132047

Prep Batch: 131928

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U	0.100	0.1000		mg/Kg		100	70 - 130	10	35
Toluene	<0.00200	U	0.100	0.1019		mg/Kg		102	70 - 130	19	35
Ethylbenzene	<0.00200	U	0.100	0.08281		mg/Kg		83	70 - 130	9	35
m,p-Xylenes	<0.00399	U	0.200	0.1958		mg/Kg		98	70 - 130	5	35
o-Xylene	<0.00200	U	0.100	0.1052		mg/Kg		105	70 - 130	11	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: MB 880-131957/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 132047

Prep Batch: 131957

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/26 13:31	02/17/26 10:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/26 13:31	02/17/26 10:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/26 13:31	02/17/26 10:43	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/16/26 13:31	02/17/26 10:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/26 13:31	02/17/26 10:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/16/26 13:31	02/17/26 10:43	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	203	S1+	70 - 130	02/16/26 13:31	02/17/26 10:43	1
1,4-Difluorobenzene (Surr)	109		70 - 130	02/16/26 13:31	02/17/26 10:43	1

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

Lab Sample ID: MB 880-131834/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 132065

Prep Batch: 131834

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/17/26 23:06	1

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.12.6)

Job ID: 880-68266-1  
 SDG: Eddy County New Mexico

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

**Lab Sample ID: MB 880-131834/1-A**  
**Matrix: Solid**  
**Analysis Batch: 132065**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 131834**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/17/26 23:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/17/26 23:06	1
Surrogate	MB MB		Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane (Surr)	134	S1+	70 - 130				02/15/26 18:00	02/17/26 23:06	1
o-Terphenyl (Surr)	141	S1+	70 - 130				02/15/26 18:00	02/17/26 23:06	1

**Lab Sample ID: LCS 880-131834/2-A**  
**Matrix: Solid**  
**Analysis Batch: 132065**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 131834**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	1192		mg/Kg		119	70 - 130
Surrogate	LCS LCS		Limits				%Rec
	%Recovery	Qualifier					
1-Chlorooctane (Surr)	122		70 - 130				
o-Terphenyl (Surr)	127		70 - 130				

**Lab Sample ID: LCSD 880-131834/3-A**  
**Matrix: Solid**  
**Analysis Batch: 132065**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 131834**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	1000	1021		mg/Kg		102	70 - 130	15	20
Surrogate	LCSD LCSD		Limits				%Rec	RPD	Limit
	%Recovery	Qualifier							
1-Chlorooctane (Surr)	103		70 - 130						
o-Terphenyl (Surr)	108		70 - 130						

**Lab Sample ID: 880-68265-A-11-B MS**  
**Matrix: Solid**  
**Analysis Batch: 132065**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 131834**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	<50.0	U	999	929.0		mg/Kg		93	70 - 130
Surrogate	MS MS		Limits					%Rec	Limit
	%Recovery	Qualifier							
1-Chlorooctane (Surr)	103		70 - 130						
o-Terphenyl (Surr)	107		70 - 130						

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.12.6)

Job ID: 880-68266-1  
 SDG: Eddy County New Mexico

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

Lab Sample ID: 880-68265-A-11-C MSD  
 Matrix: Solid  
 Analysis Batch: 132065

Client Sample ID: Matrix Spike Duplicate  
 Prep Type: Total/NA  
 Prep Batch: 131834

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1168		mg/Kg		117	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1093		mg/Kg		109	70 - 130	16	20
<b>Surrogate</b>	<b>%Recovery</b>	<b>MSD Qualifier</b>		<b>MSD</b>					<b>Limits</b>		
1-Chlorooctane (Surr)	119								70 - 130		
o-Terphenyl (Surr)	122								70 - 130		

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

Lab Sample ID: MB 880-131979/1-A  
 Matrix: Solid  
 Analysis Batch: 131998

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			02/17/26 09:06	1

Lab Sample ID: LCS 880-131979/2-A  
 Matrix: Solid  
 Analysis Batch: 131998

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	227.5		mg/Kg		91	90 - 110

Lab Sample ID: LCSD 880-131979/3-A  
 Matrix: Solid  
 Analysis Batch: 131998

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	228.6		mg/Kg		91	90 - 110	0	20

Lab Sample ID: 880-68265-A-19-C MS  
 Matrix: Solid  
 Analysis Batch: 131998

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	292	F1	248	509.8	F1	mg/Kg		88	90 - 110

Lab Sample ID: 880-68265-A-19-D MSD  
 Matrix: Solid  
 Analysis Batch: 131998

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	292	F1	248	510.8	F1	mg/Kg		89	90 - 110	0	20

### QC Association Summary

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.12.6)

Job ID: 880-68266-1  
 SDG: Eddy County New Mexico

#### GC VOA

##### Prep Batch: 131928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68266-1	Backfill	Total/NA	Solid	5035	
MB 880-131928/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-131928/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 880-131928/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-68271-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-68271-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

##### Prep Batch: 131957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-131957/5-A	Method Blank	Total/NA	Solid	5035	

##### Analysis Batch: 132047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68266-1	Backfill	Total/NA	Solid	8021B	131928
MB 880-131928/5-A	Method Blank	Total/NA	Solid	8021B	131928
MB 880-131957/5-A	Method Blank	Total/NA	Solid	8021B	131957
LCS 880-131928/1-A	Lab Control Sample	Total/NA	Solid	8021B	131928
LCS 880-131928/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	131928
880-68271-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	131928
880-68271-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	131928

##### Analysis Batch: 132222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68266-1	Backfill	Total/NA	Solid	Total BTEX	

#### GC Semi VOA

##### Prep Batch: 131834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68266-1	Backfill	Total/NA	Solid	8015NM Prep	
MB 880-131834/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-131834/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCS 880-131834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-68265-A-11-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-68265-A-11-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

##### Analysis Batch: 132065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68266-1	Backfill	Total/NA	Solid	8015B NM	131834
MB 880-131834/1-A	Method Blank	Total/NA	Solid	8015B NM	131834
LCS 880-131834/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	131834
LCS 880-131834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	131834
880-68265-A-11-B MS	Matrix Spike	Total/NA	Solid	8015B NM	131834
880-68265-A-11-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	131834

##### Analysis Batch: 132212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68266-1	Backfill	Total/NA	Solid	8015 NM	

### QC Association Summary

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.12.6)

Job ID: 880-68266-1  
 SDG: Eddy County New Mexico

#### HPLC/IC

##### Leach Batch: 131979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68266-1	Backfill	Soluble	Solid	DI Leach	
MB 880-131979/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-131979/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-131979/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-68265-A-19-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-68265-A-19-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

##### Analysis Batch: 131998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68266-1	Backfill	Soluble	Solid	300.0	131979
MB 880-131979/1-A	Method Blank	Soluble	Solid	300.0	131979
LCS 880-131979/2-A	Lab Control Sample	Soluble	Solid	300.0	131979
LCSD 880-131979/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	131979
880-68265-A-19-C MS	Matrix Spike	Soluble	Solid	300.0	131979
880-68265-A-19-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	131979

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### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Diamondback 22 State Com 5H Flare Fire (1.12.6)

Job ID: 880-68266-1  
 SDG: Eddy County New Mexico

**Client Sample ID: Backfill**

**Lab Sample ID: 880-68266-1**

Date Collected: 02/06/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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	131928	02/16/26 11:55	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132047	02/18/26 06:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132222	02/18/26 06:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			132212	02/18/26 05:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	131834	02/15/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132065	02/18/26 05:08	SA	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	131979	02/16/26 14:26	SA	EET MID
Soluble	Analysis	300.0		1			131998	02/17/26 12:58	CS	EET MID

**Laboratory References:**

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

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### Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: Diamondback 22 State Com 5H Flare Fire (1.12.6)

Job ID: 880-68266-1  
SDG: Eddy County New Mexico

#### Laboratory: Eurofins Midland

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

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

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

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

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### Method Summary

Client: Carmona Resources  
Project/Site: Diamondback 22 State Com 5H Flare Fire (1.12.6)

Job ID: 880-68266-1  
SDG: Eddy County New Mexico

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

**Protocol References:**

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

**Laboratory References:**

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



### Sample Summary

Client: Carmona Resources  
Project/Site: Diamondback 22 State Com 5H Flare Fire  
(1.12.6)

Job ID: 880-68266-1  
SDG: Eddy County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-68266-1	Backfill	Solid	02/06/26 00:00	02/13/26 15:10	New Mexico

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USTR/PST



Page 1 of 1

Project Manager: Conner Moehring  
 Company Name: Carmona Resources  
 Address: 310 W Wall St Ste 500  
 City, State ZIP: Midland, TX 79701  
 Phone: 432-613-6823  
 Email: mcarmona@carmonaresources.com

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

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

Project Name	Diamondback 22 State Com 5H Flare Fire (1 1 26)	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes						
Project Number	3104	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	72 Hour TAT													None NO Cool Cool HCL, HC H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub> H <sub>3</sub> PO <sub>4</sub> , HP NaHSO <sub>4</sub> , NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , NaSO <sub>3</sub> Zn Acetate+NaOH Zn NaOH+Ascorbic Acid SAPC						
Project Location	Eddy County, New Mexico	Due Date														DI Water H <sub>2</sub> O MeOH Me HNO <sub>3</sub> , HN NaOH Na						
Sampler's Name	JR																					
PC #																						
SAMPLE RECEIPT	Temp Blank	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID																			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor	1.88																			
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading	-0.2																			
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Corrected Temperature:	-5.8																			
Total Containers:			-5.6																			
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments			
Backfill	2/6/2026		X		Comp	1	X	X	X	BTEX 8021B TPH 8015M ( GRO + DRO + MRO) Chloride 300.0												

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

Relinquished by (Signature): *Mike Carmona* Date/Time: 9/13/26

Received by (Signature): *Mark [unclear]* Date/Time: 2/13/26 1510

### Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-68266-1  
SDG Number: Eddy County New Mexico

**Login Number: 68266**

**List Number: 1**

**Creator: Dyal, Erica**

**List Source: Eurofins Midland**

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

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

QUESTIONS

Action 569414

**QUESTIONS**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 569414
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2601654529
Incident Name	NAPP2601654529 DIAMONDBACK 22 ST COM 5H @ A-22-26S-28E
Incident Type	Flare
Incident Status	Remediation Closure Report Received

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	Diamondback 22 St Com 5H
Date Release Discovered	01/01/2026
Surface Owner	State

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Flare
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: Equipment Failure   Valve   Crude Oil   Released: 2 BBL   Recovered: 0 BBL   Lost: 2 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 569414

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 569414
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>More info needed to determine if this will be treated as a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>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.</b>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

**Initial Response**

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jacqui Harris Title: Sr Environment Engineer Email: jacqui.harris@conocophillips.com Date: 03/31/2026
--	--

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QUESTIONS, Page 3

Action 569414

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 569414
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000 (ft.)
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	Between 500 and 1000 (ft.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 500 and 1000 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

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

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	464
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	6380
GRO+DRO (EPA SW-846 Method 8015M)	5490
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	02/04/2026
On what date will (or did) the final sampling or liner inspection occur	02/06/2026
On what date will (or was) the remediation complete(d)	02/09/2026
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	1300
What is the estimated volume (in cubic yards) that will be remediated	64

*These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.*

*The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.*

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QUESTIONS, Page 4

Action 569414

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 569414
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Remediation Plan (continued)**

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

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Yes
In which state is the disposal taking place	TEXAS
What is the name of the out-of-state facility	R360 RED BLUFF
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement	Name: Jacqui Harris Title: Sr Environment Engineer Email: jacqui.harris@conocophillips.com Date: 03/31/2026
--	--

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 569414

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 569414
	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

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**

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Action 569414

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 569414
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>550230</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>02/06/2026</b>
What was the (estimated) number of samples that were to be gathered	<b>11</b>
What was the sampling surface area in square feet	<b>950</b>

<b>Remediation Closure Request</b>	
<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	1300
What was the total volume (cubic yards) remediated	64
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)	N/A

*The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.*

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Jacqui Harris Title: Sr Environment Engineer Email: jacqui.harris@conocophillips.com Date: 03/31/2026
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Action 569414

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 569414
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

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

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CONDITIONS

Action 569414

**CONDITIONS**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 569414
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
michael.buchanan	Remediation closure is approved.	4/13/2026
michael.buchanan	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	4/13/2026
michael.buchanan	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	4/13/2026