



## SITE INFORMATION

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**Closure Report**  
**Myox 21 State Com #009H (02.28.2024)**  
**Eddy County, New Mexico**  
**Incident ID: NAPP2406046944**  
**Unit M Sec 21 T25S R28E**  
**32.1098°, -104.0996°**

**Crude Oil Release**  
**Point of Release: Equipment Failure, Flare Fire**  
**Release Date: 02.28.2024**  
**Volume Released: 0 Barrels of Crude Oil**  
**Volume Recovered: 0 Barrels of Crude Oil**

**CARMONA RESOURCES**



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

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

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



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November 2, 2025

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

**Re: Closure Report**  
**Myox 21 State #009H (02.28.2024)**  
**Concho Operating, LLC**  
**Incident ID: NAPP2406046944**  
**Site Location: Unit M, S21, T25S, R28E**  
**(Lat 32.1098°, Long -104.0996°)**  
**Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for the Myox 21 State 9H. The site is located at 32.1098°, -104.0996° within Unit M, S21, T25S, and 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 February 28, 2024, due to equipment failure, resulting in a flare fire. During the flare fire the wind was blowing in a Northwest wind direction. This caused the area of concern to be located Northwest of the flare. It resulted in approximately zero (0) barrels of crude oil being released and zero (0) barrels of crude oil being recovered. The impacted area occurred on the pad, shown in Figure 3. The Notification of Release form is attached in Appendix C.

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

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, one known water source is within a 0.50-mile radius of the location. The closest well is approximately 0.45 miles Northwest of the site in S20, T25S, R28E and was last measured in 1998. The well has a reported depth to groundwater of 63.89 feet below the ground surface (ft bgs). A copy of the associated point of diversion is attached in Appendix D.

### **3.0 NMAC Regulatory Criteria**

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

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



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

On April 17, 2024, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the fire. A total of one (1) vertical sample point (S-1) and four (4) horizontal sample points (H-1 through H-4) were advanced to depths ranging from the surface to 2.0' bgs inside the release area to assess the vertical and horizontal extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

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

#### **5.0 Remediation Activities**

Carmona Resources personnel were on site to oversee excavation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD web portal on July 31, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of three (3) confirmation floor samples (CS-1 and CS-3) and four (4) sidewall samples (SW-1 through SW-4) were collected every 200 square feet to ensure the proper removal of the contaminated soils. 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. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. Refer to Table 2. The excavation depths and confirmation sample locations are shown in Figure 4.

#### **6.0 Conclusions**

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

Sincerely,

**Carmona Resources, LLC**

Conner Moehring  
Environmental Manager

## FIGURES

CARMONA RESOURCES



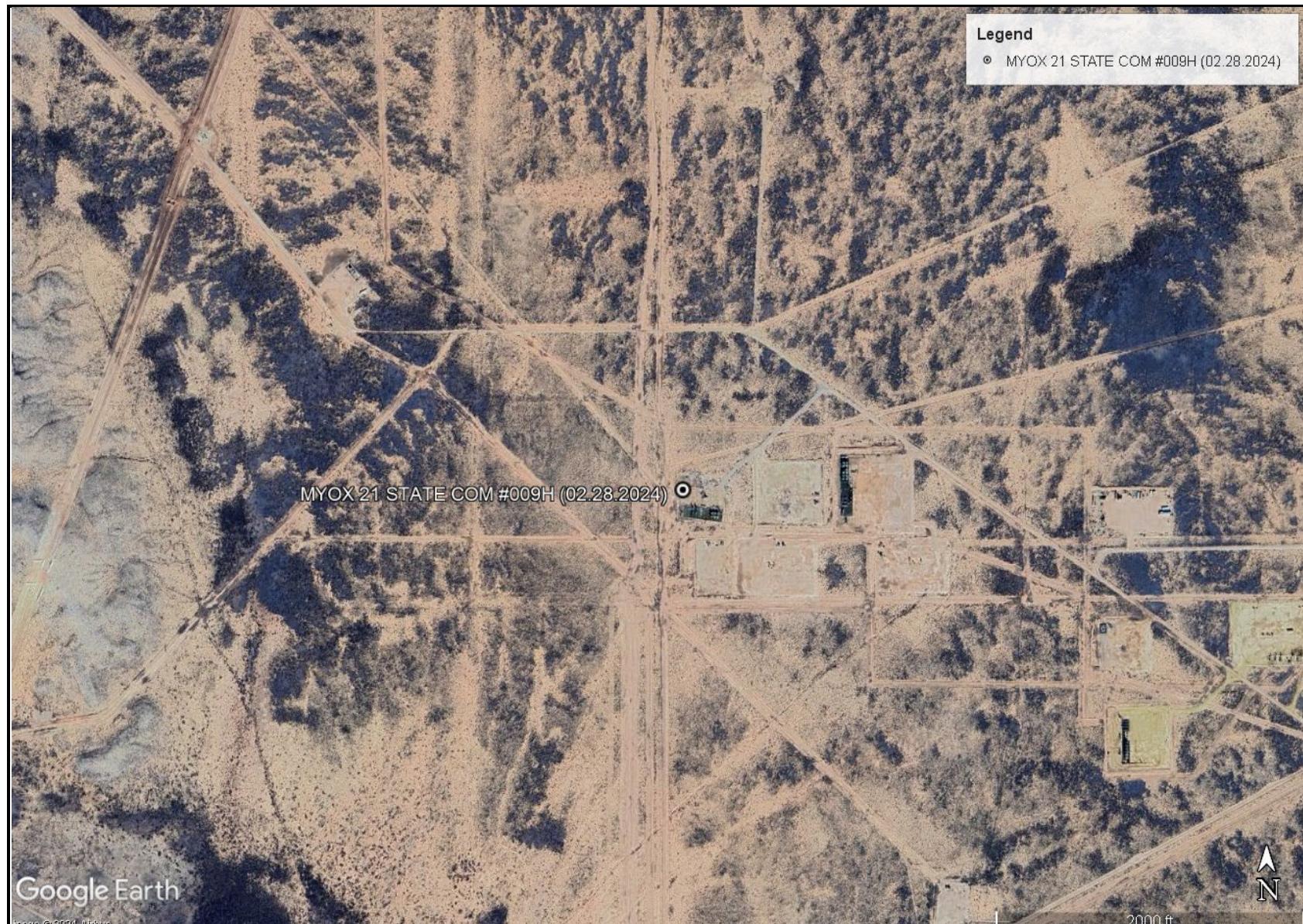
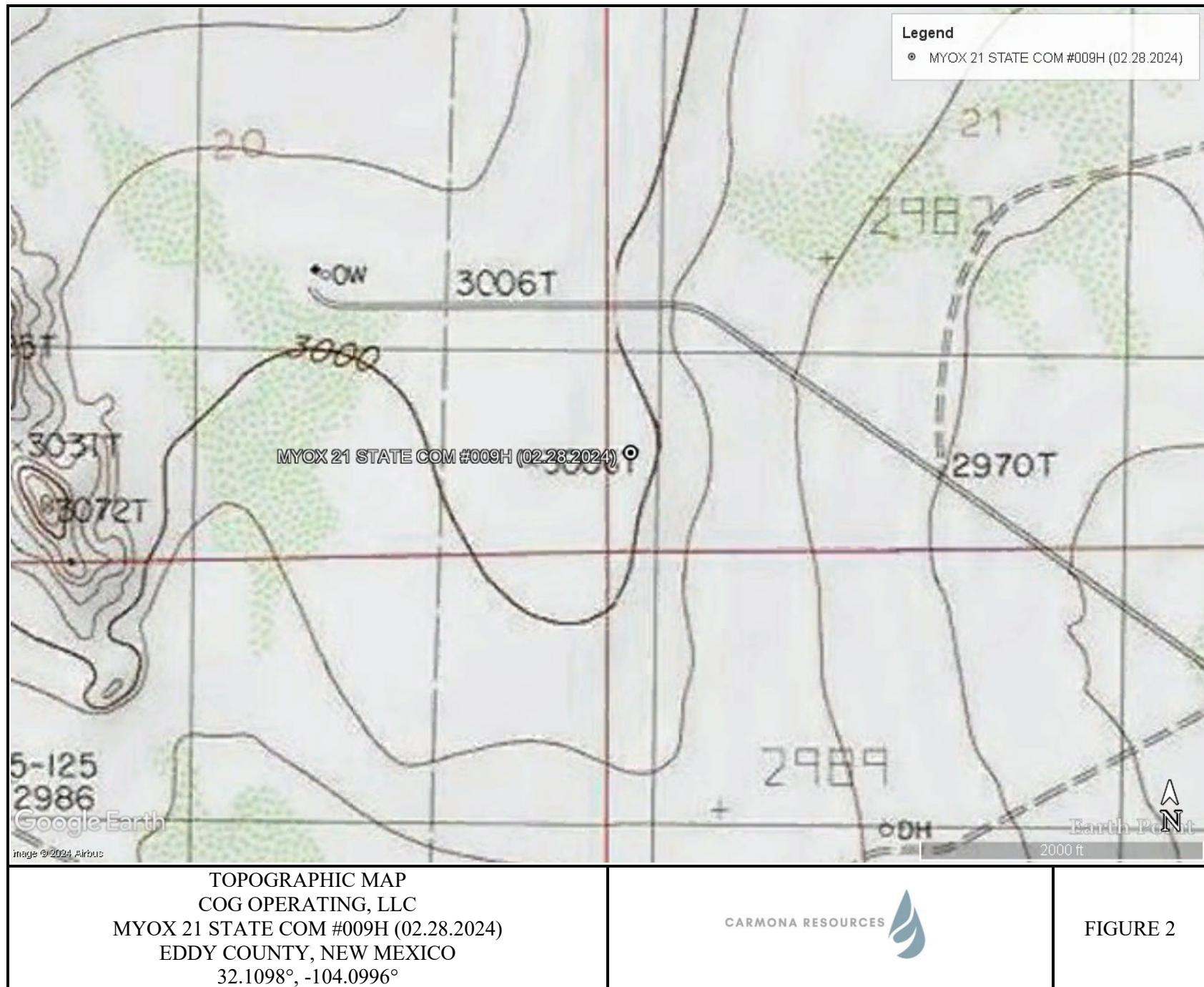
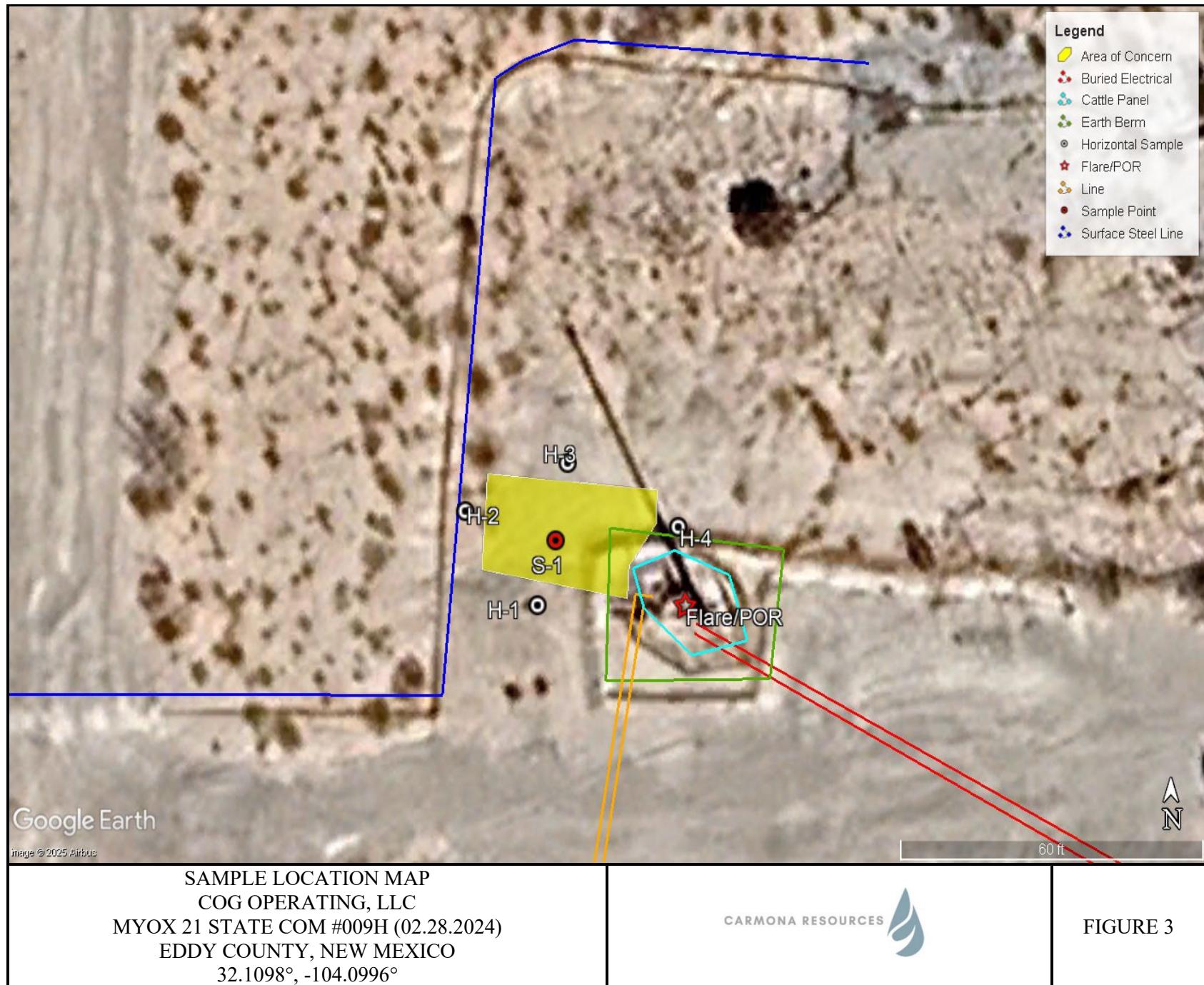
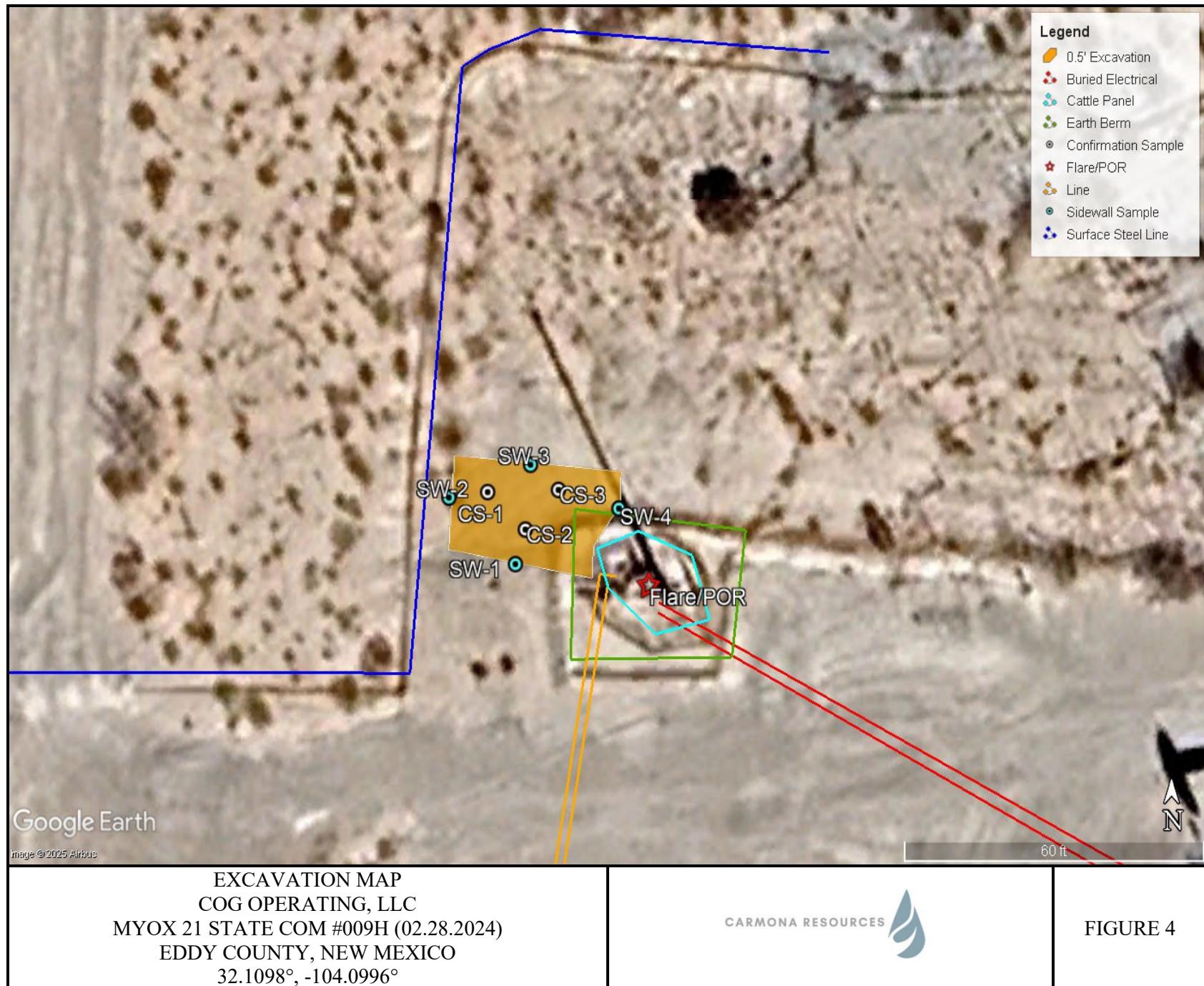


FIGURE 1







## APPENDIX A

CARMONA RESOURCES



**Table 1**  
**Conoco Phillips**  
**MYOX 21 STATE COM #009H (02.28.2024)**  
**Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	4/17/2024	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	11.0
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	5.96
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	5.71
H-1	4/17/2024	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<5.02
H-2	4/17/2024	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<5.05
H-3	4/17/2024	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	5.61
H-4	4/17/2024	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	44.3
<b>Regulatory Criteria<sup>A</sup></b>						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

(H) Horizontal Sample Point

**Table 2**  
**COG Operating**  
**MYOX 21 STATE COM #009H (02.28.2024)**  
**Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	
			GRO	DRO	MRO	Total							
CS-1	8/6/2025	Surface	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.90	
CS-2	8/6/2025	Surface	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.0	
CS-3	8/6/2025	Surface	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	11.7	
SW-1	8/6/2025	Surface	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.1	
SW-2	8/6/2025	Surface	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<10.1	
SW-3	8/6/2025	Surface	<50.0	75.5	<50.0	75.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<9.92	
SW-4	8/6/2025	Surface	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<10.1	
BACKFILL MATERIAL	8/7/2025	-	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<10.1	
<b>Regulatory Criteria <sup>a</sup></b>							<b>100 mg/kg</b>	<b>10 mg/kg</b>				<b>50 mg/kg</b>	<b>600 mg/kg</b>

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

(SW) Sidewall Sample

## APPENDIX B

CARMONA RESOURCES



## PHOTOGRAPHIC LOG

## COG Operating

**Photograph No. 1**

**Facility:** Myox 21 State Com #009  
(02.28.2024)

**County:** Eddy County, New Mexico

**Description:**

View West, area of impacted area.

**Photograph No. 2**

**Facility:** Myox 21 State Com #009  
(02.28.2024)

**County:** Eddy County, New Mexico

**Description:**

View North, area of confirmation samples (1-3).

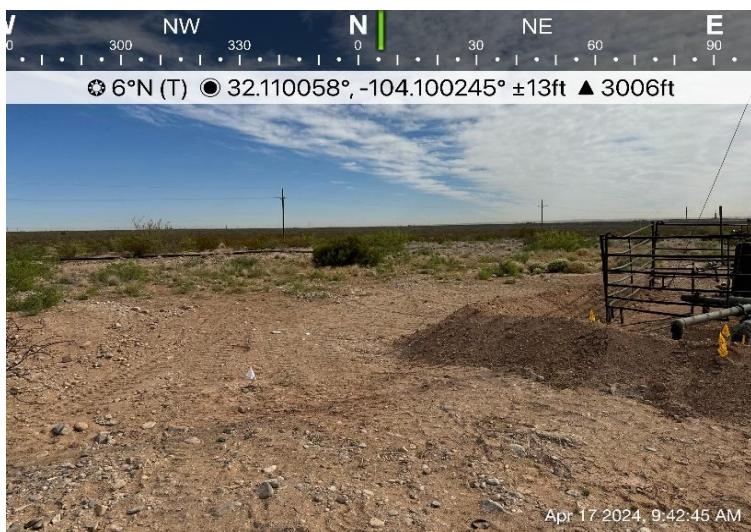
**Photograph No. 3**

**Facility:** Myox 21 State Com #009  
(02.28.2024)

**County:** Eddy County, New Mexico

**Description:**

View North, area of confirmation samples (1-3).



## APPENDIX C

CARMONA RESOURCES



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

## State of New Mexico

### Energy, Minerals and Natural Resources

#### Oil Conservation Division

**1220 S. St Francis Dr.**

**Santa Fe, NM 87505**

QUESTIONS

Action 319077

#### QUESTIONS

Operator:  COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:  229137
	Action Number:  319077
	Action Type: [NOTIFY] Notification Of Release (NOR)

#### QUESTIONS

##### Location of Release Source

*Please answer all the questions in this group.*

Site Name	MYOX 21 STATE COM #009H
Date Release Discovered	02/28/2024
Surface Owner	State

#### Incident Details

*Please answer all the questions in this group.*

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

#### Nature and Volume of Release

*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.*

Crude Oil Released (bbls) Details	Cause: Fire   Other (Specify)   Crude Oil   Released: 0 BBL   Recovered: 0 BBL   Lost: 0 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	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 319077

**QUESTIONS (continued)**

Operator:  COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 319077
	Action Type: [NOTIFY] Notification Of Release (NOR)

**QUESTIONS****Nature and Volume of Release (continued)**

Is this a gas only submission (i.e. only significant Mcf values reported)	More volume information must be supplied to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.

*With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.*

**Initial Response**

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

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

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

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ACKNOWLEDGMENTS

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

Action 319077

## ACKNOWLEDGMENTS

Operator:  COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 319077
	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 319077

**CONDITIONS**

Operator:  COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:  229137
	Action Number:  319077
	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.	2/29/2024

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 490856

**QUESTIONS**

Operator:  COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 490856
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2406046944
Incident Name	NAPP2406046944 MYOX 21 STATE COM #009H @ 0
Incident Type	Fire
Incident Status	Notification Accepted

<b>Location of Release Source</b>	
Site Name	MYOX 21 STATE COM #009H
Date Release Discovered	02/28/2024
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	500
What is the estimated number of samples that will be gathered	6
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/06/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources – 432-813-6823
Please provide any information necessary for navigation to sampling site	Samples being pulled per NMOCD Shelly Wells.

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

General Information  
Phone: (505) 629-6116

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

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

CONDITIONS

Action 490856

**CONDITIONS**

Operator:  COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 490856
	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.	7/31/2025
jacquih	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	7/31/2025

## APPENDIX D

CARMONA RESOURCES

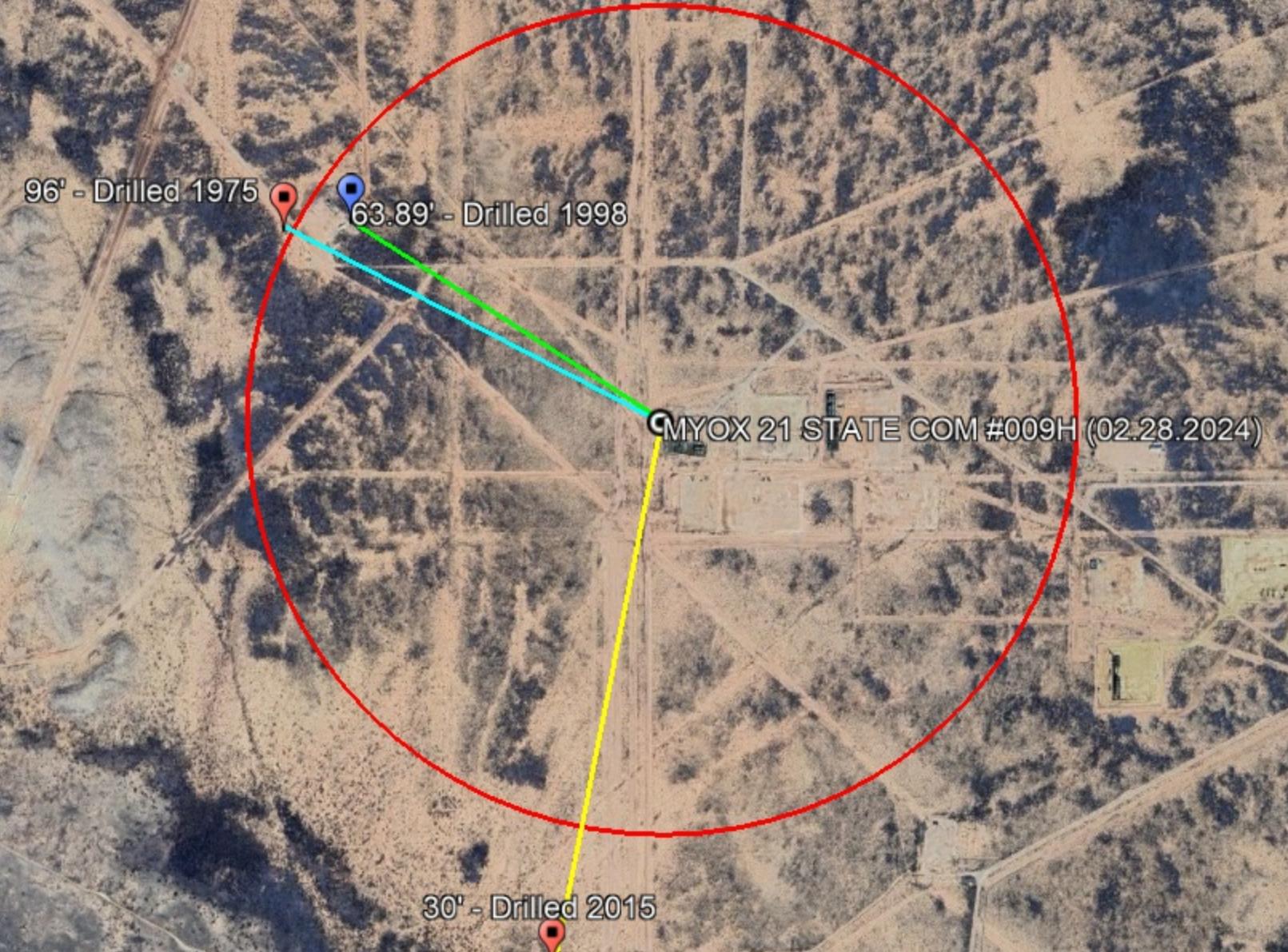


## Nearest Water Well

COG Operating

## Legend

- 0.45 Miles
- 0.50 Mile Radius
- 0.52 Miles
- 0.67 Miles
- MYOX 21 STATE COM #009H (02.28.2024)
- NMSEO Water Well
- USGS Water Well



# medium Karst

COG Operating

## Legend

- High
- Medium

MYOX 21 STATE COM #009H (02.28.2024)

MYOX 21 STATE COM #009H (02.28.2024)

Google Earth

Released to Imaging: 11/20/2025 4:34:12 PM

Image © 2024 Airbus

N

3000 ft



# 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 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q Q Q		64	16	4	Sec	Tws	Rng	X	Y	Distance	Depth	Depth	Water
				Q	Q										Well	Water Column	
C 01573 POD1	C	ED	3 1 4	20	25S	28E	584144	3553361					828	176	96	80	
C 03836 POD1	C	ED	2 2 4	29	25S	28E	584682	3551934					1084	300	30	270	
C 01278	C	ED	4 3 28	25S	28E		585470	3551338*					1759	205	90	115	
C 01522	C	ED	1 22	25S	28E		586843	3554004*					2197	150			
C 04766 POD1	CUB	ED	2 2 4	32	25S	28E	584716	3550306					2697	37	26	11	
C 04660 POD1	CUB	ED	2 1 2	22	25S	28E	587519	3554290					2929	105			
C 03861 POD1	C	ED	4 2 3	18	25S	28E	582266	3554864					3218	91	63	28	
C 03938 POD1	CUB	ED	2 2 2	25	25S	27E	581482	3552616					3428	21	12	9	
C 02478	CUB	ED	2 1 05	26S	28E		583848	3549325*					3818	100			

Average Depth to Water: **52 feet**

Minimum Depth: **12 feet**

Maximum Depth: **96 feet**

Record Count: 9

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 584889

**Northing (Y):** 3552999

**Radius:** 4000

\*UTM location was derived from PLSS - see Help

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



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## National Water Information System: Web Interface

USGS Water Resources

Data Category:  Geographic Area:

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

### Search Results -- 1 sites found

**Agency code** = usgs

**site\_no list** =

- 320649104062401

**Minimum number of levels** = 1

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

### USGS 320649104062401 25S.28E.20.41321

Eddy County, New Mexico

Latitude 32°06'49", Longitude 104°06'24" NAD27

Land-surface elevation 3,007 feet above NAVD88

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

#### Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source of measurement
1983-10-07		D	62610		2941.61	NGVD29	1	Z		
1983-10-07		D	62611		2943.20	NAVD88	1	Z		
1983-10-07		D	72019	63.80			1	Z		
1987-10-13		D	62610		2942.37	NGVD29	1	Z		
1987-10-13		D	62611		2943.96	NAVD88	1	Z		
1987-10-13		D	72019	63.04			1	Z		
1992-11-03		D	62610		2942.21	NGVD29	1	S		
1992-11-03		D	62611		2943.80	NAVD88	1	S		
1992-11-03		D	72019	63.20			1	S		
1998-01-23		D	62610		2941.52	NGVD29	1	S		
1998-01-23		D	62611		2943.11	NAVD88	1	S		
1998-01-23		D	72019	63.89			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
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions or Comments](#)[Automated retrievals](#)[Help](#)[Data Tips](#)[Explanation of terms](#)[Subscribe for system changes](#)[News](#)[Accessibility](#)   [FOIA](#)   [Privacy](#)   [Policies and Notices](#)[U.S. Department of the Interior | U.S. Geological Survey](#)**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: 2024-04-23 09:38:39 EDT

0.31 0.27 nadww02



# 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)				(NAD83 UTM in meters)	
		Q64	Q16	Q4	Sec		
C	01573 POD1	3	1	4	20	25S	28E
<hr/>							
<b>Driller License:</b>	46	<b>Driller Company:</b>		ABBOTT BROTHERS COMPANY			
<b>Driller Name:</b>	MURRELL ABBOTT						
<b>Drill Start Date:</b>	01/15/1975	<b>Drill Finish Date:</b>		01/20/1975		<b>Plug Date:</b>	
<b>Log File Date:</b>	01/23/1975	<b>PCW Rcv Date:</b>				<b>Source:</b>	Shallow
<b>Pump Type:</b>		<b>Pipe Discharge Size:</b>				<b>Estimated Yield:</b>	50 GPM
<b>Casing Size:</b>	7.00	<b>Depth Well:</b>		176 feet		<b>Depth Water:</b>	96 feet
<hr/>							
<b>Water Bearing Stratifications:</b>		<b>Top</b>	<b>Bottom</b>	<b>Description</b>			
		96	176	Sandstone/Gravel/Conglomerate			
<b>Casing Perforations:</b>		<b>Top</b>	<b>Bottom</b>				
		156	176				
<hr/>							

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.

4/23/24 7:40 AM

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)				(NAD83 UTM in meters)	
		Q64	Q16	Q4	Sec		
NA	C 03836 POD1	2	2	4	29	25S	28E
						584682	3551934 

Driller License:	1654	Driller Company:	NOT WORKING FOR HIRE--SIRMAN DRILLING AND CONSTRUC		
Driller Name:					
Drill Start Date:	04/06/2015	Drill Finish Date:	04/08/2015		
Log File Date:	04/16/2015	PCW Rcv Date:			
Pump Type:	SUBMER	Pipe Discharge Size:	Source: Shallow		
Casing Size:	7.00	Depth Well:	Estimated Yield: 35 GPM		
			Depth Water: 30 feet		

Water Bearing Stratifications:	Top	Bottom	Description
	15	45	Sandstone/Gravel/Conglomerate
	180	210	Sandstone/Gravel/Conglomerate
	245	255	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	80	100
	180	200
	240	260
	280	300

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.

4/23/24 7:44 AM

POINT OF DIVERSION SUMMARY

## FEMA National Flood Hazard Layer (NFHL)



FEMA flood layer

Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA

## FEMA National Flood Hazard Layer (NFHL)

### NFHL

Water Lines



Water Areas



Flood Hazard Boundaries

Limit Lines

NP

SFHA / Flood Zone Boundary

Flowage Easement Boundary

Flood Hazard Zones

1% Annual Chance Flood Hazard

Regulatory Floodway

Special Floodway

Area of Undetermined Flood Hazard

0.2% Annual Chance Flood Hazard

Future Conditions 1% Annual Chance Flood Hazard

Area with Reduced Risk Due to Levee

Area with Risk Due to Levee

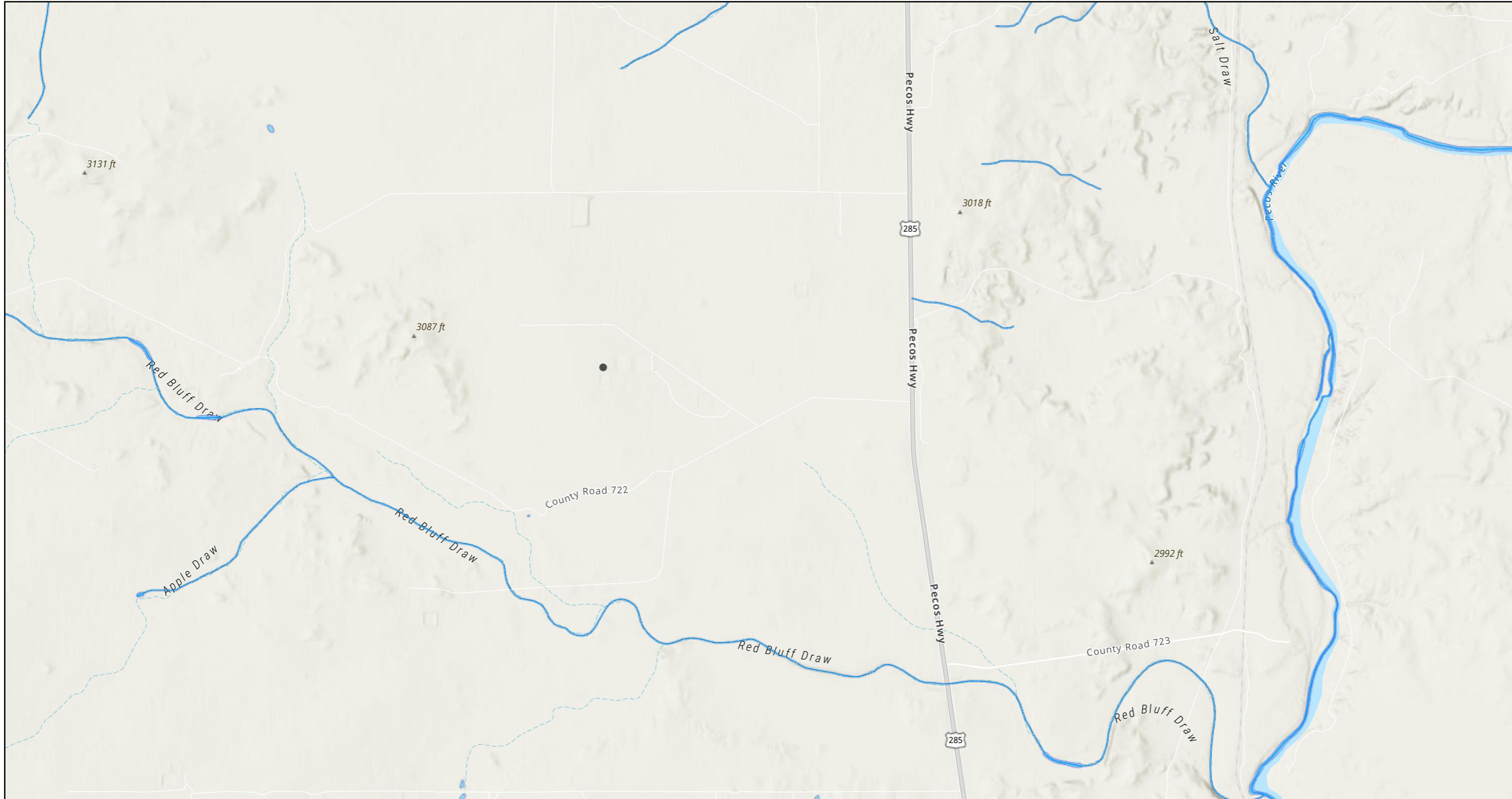


FEMA flood layer

0.3mi

Maxar | Esri Community Maps Contributors, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

## MYOX 21 STATE COM #009H (02.28.2024)



4/23/2024, 8:36:34 AM

1:36,112

- █ OSW Water Bodys
- █ OSE Streams

0 0.38 0.75 1.5 mi  
0 0.5 1 2 km

Esri, NASA, NGA, USGS, FEMA, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, 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 4/23/2024 4:19:09 PM

## JOB DESCRIPTION

Myox 21 State Com 9H- Flare Fire- 2.28.24  
Eddy County, New Mexico

## JOB NUMBER

880-42501-1

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  
4/23/2024 4:19:09 PM

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

Client: Carmona Resources  
 Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

Laboratory Job ID: 880-42501-1  
 SDG: Eddy County, New Mexico

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## Definitions/Glossary

Client: Carmona Resources  
 Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

Job ID: 880-42501-1  
 SDG: Eddy County, New Mexico

### Qualifiers

#### GC VOA

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

#### GC Semi VOA

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

#### HPLC/IC

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

### Glossary

#### Abbreviation

**These commonly used abbreviations may or may not be present in this report.**

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

## Case Narrative

Client: Carmona Resources

Job ID: 880-42501-1

Project: Myox 21 State Com 9H- Flare Fire- 2.28.24

**Job ID: 880-42501-1****Eurofins Midland**

### Job Narrative 880-42501-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

### Receipt

The samples were received on 4/19/2024 3:55 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 0.0°C.

### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-1') (880-42501-1), S-1 (1.5') (880-42501-2) and S-1 (2') (880-42501-3).

### GC VOA

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-78923 and analytical batch 880-78885 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

### GC Semi VOA

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-78929 and analytical batch 880-78877 was outside the upper control limits.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: S-1 (2') (880-42501-3) and (880-42501-A-1-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-78929 and analytical batch 880-78877 was outside control limits. Sample non-homogeneity is suspected.

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

Job ID: 880-42501-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-42501-1

Date Collected: 04/17/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:55

## 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		04/22/24 10:40	04/23/24 03:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/22/24 10:40	04/23/24 03:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/22/24 10:40	04/23/24 03:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/22/24 10:40	04/23/24 03:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/22/24 10:40	04/23/24 03:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/22/24 10:40	04/23/24 03:23	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)		118		70 - 130			04/22/24 10:40	04/23/24 03:23	1
1,4-Difluorobenzene (Surr)		92		70 - 130			04/22/24 10:40	04/23/24 03:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/23/24 03:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/22/24 20:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	50.0		mg/Kg		04/22/24 11:26	04/22/24 20:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U F2	50.0		mg/Kg		04/22/24 11:26	04/22/24 20:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/24 11:26	04/22/24 20:10	1
<b>Surrogate</b>									<b>Dil Fac</b>
1-Chlorooctane		111		70 - 130			04/22/24 11:26	04/22/24 20:10	1
o-Terphenyl		101		70 - 130			04/22/24 11:26	04/22/24 20:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.0		4.97		mg/Kg			04/22/24 17:43	1

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

Lab Sample ID: 880-42501-2

Date Collected: 04/17/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:55

## 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		04/22/24 10:40	04/23/24 03:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/22/24 10:40	04/23/24 03:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/22/24 10:40	04/23/24 03:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/22/24 10:40	04/23/24 03:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/22/24 10:40	04/23/24 03:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/22/24 10:40	04/23/24 03:44	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)		116		70 - 130			04/22/24 10:40	04/23/24 03:44	1
1,4-Difluorobenzene (Surr)		92		70 - 130			04/22/24 10:40	04/23/24 03:44	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources

Job ID: 880-42501-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

SDG: Eddy County, New Mexico

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

## Lab Sample ID: 880-42501-2

Matrix: Solid

Date Collected: 04/17/24 00:00

Date Received: 04/19/24 15:55

## 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			04/23/24 03:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/22/24 21:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/22/24 11:26	04/22/24 21:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/24 11:26	04/22/24 21:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/24 11:26	04/22/24 21:13	1

## Surrogate

	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	04/22/24 11:26	04/22/24 21:13	1
<i>o</i> -Terphenyl	118		70 - 130	04/22/24 11:26	04/22/24 21:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.96		4.95		mg/Kg			04/22/24 17:49	1

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

## Lab Sample ID: 880-42501-3

Matrix: Solid

Date Collected: 04/17/24 00:00

Date Received: 04/19/24 15:55

## 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		04/22/24 10:40	04/23/24 04:04	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/22/24 10:40	04/23/24 04:04	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/22/24 10:40	04/23/24 04:04	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/22/24 10:40	04/23/24 04:04	1
<i>o</i> -Xylene	<0.00202	U	0.00202		mg/Kg		04/22/24 10:40	04/23/24 04:04	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/22/24 10:40	04/23/24 04:04	1

## Surrogate

	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	04/22/24 10:40	04/23/24 04:04	1
1,4-Difluorobenzene (Surr)	93		70 - 130	04/22/24 10:40	04/23/24 04:04	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			04/23/24 04:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/22/24 21:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/22/24 11:26	04/22/24 21:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/24 11:26	04/22/24 21:34	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources

Job ID: 880-42501-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

SDG: Eddy County, New Mexico

**Client Sample ID: S-1 (2')****Lab Sample ID: 880-42501-3**

Date Collected: 04/17/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:55

**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		04/22/24 11:26	04/22/24 21:34	1
<b>Surrogate</b>									
	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130				04/22/24 11:26	04/22/24 21:34	1
<i>o</i> -Terphenyl	128		70 - 130				04/22/24 11:26	04/22/24 21:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.71		4.95		mg/Kg			04/22/24 17:56	1

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## Surrogate Summary

Client: Carmona Resources

Job ID: 880-42501-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)									
880-42501-1	S-1 (0-1')	118	92									
880-42501-2	S-1 (1.5')	116	92									
880-42501-3	S-1 (2')	116	93									
890-6492-A-346-G MS	Matrix Spike	114	96									
890-6492-A-346-H MSD	Matrix Spike Duplicate	112	96									
LCS 880-78923/1-A	Lab Control Sample	111	100									
LCSD 880-78923/2-A	Lab Control Sample Dup	111	103									
MB 880-78891/5-A	Method Blank	112	88									
MB 880-78923/5-A	Method Blank	113	88									

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)									
880-42501-1	S-1 (0-1')	111	101									
880-42501-1 MS	S-1 (0-1')	116	100									
880-42501-1 MSD	S-1 (0-1')	142 S1+	121									
880-42501-2	S-1 (1.5')	120	118									
880-42501-3	S-1 (2')	141 S1+	128									
LCS 880-78929/2-A	Lab Control Sample	101	109									
LCSD 880-78929/3-A	Lab Control Sample Dup	84	92									
MB 880-78929/1-A	Method Blank	153 S1+	143 S1+									

## Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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## QC Sample Results

Client: Carmona Resources

Job ID: 880-42501-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-78891/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78885

Prep Batch: 78891

Analyte	MB		MB		MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier	RL							
Benzene	<0.00200	U	0.00200		mg/Kg		04/22/24 08:26	04/22/24 11:17		1
Toluene	<0.00200	U	0.00200		mg/Kg		04/22/24 08:26	04/22/24 11:17		1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/22/24 08:26	04/22/24 11:17		1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/22/24 08:26	04/22/24 11:17		1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/22/24 08:26	04/22/24 11:17		1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/22/24 08:26	04/22/24 11:17		1
Surrogate	MB		MB		%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	%Recovery		Qualifier	Limits						
4-Bromofluorobenzene (Surr)	112			70 - 130				04/22/24 08:26	04/22/24 11:17	
1,4-Difluorobenzene (Surr)	88			70 - 130				04/22/24 08:26	04/22/24 11:17	

Lab Sample ID: MB 880-78923/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78885

Prep Batch: 78923

Analyte	MB		MB		MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier	RL							
Benzene	<0.00200	U	0.00200		mg/Kg		04/22/24 10:40	04/22/24 22:25		1
Toluene	<0.00200	U	0.00200		mg/Kg		04/22/24 10:40	04/22/24 22:25		1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/22/24 10:40	04/22/24 22:25		1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/22/24 10:40	04/22/24 22:25		1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/22/24 10:40	04/22/24 22:25		1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/22/24 10:40	04/22/24 22:25		1
Surrogate	MB		MB		%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	%Recovery		Qualifier	Limits						
4-Bromofluorobenzene (Surr)	113			70 - 130				04/22/24 10:40	04/22/24 22:25	
1,4-Difluorobenzene (Surr)	88			70 - 130				04/22/24 10:40	04/22/24 22:25	

Lab Sample ID: LCS 880-78923/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78885

Prep Batch: 78923

Analyte	Spike		LCS		Unit	D	%Rec		Limits
	Added	Result	Result	Qualifier			%Rec	Limits	
Benzene	0.100	0.09819	0.09819	U	mg/Kg		98	70 - 130	
Toluene	0.100	0.09560	0.09560	U	mg/Kg		96	70 - 130	
Ethylbenzene	0.100	0.09808	0.09808	U	mg/Kg		98	70 - 130	
m-Xylene & p-Xylene	0.200	0.1918	0.1918	U	mg/Kg		96	70 - 130	
o-Xylene	0.100	0.09809	0.09809	U	mg/Kg		98	70 - 130	
Surrogate	LCS		LCS		Unit	D	%Rec		Limits
	%Recovery		Qualifier	Limits			%Rec	Limits	
4-Bromofluorobenzene (Surr)	111			70 - 130					
1,4-Difluorobenzene (Surr)	100			70 - 130					

Lab Sample ID: LCSD 880-78923/2-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78885

Prep Batch: 78923

Analyte	Spike		LCSD		Unit	D	%Rec		RPD
	Added	Result	Result	Qualifier			%Rec	Limits	
Benzene	0.100	0.1190	0.1190	U	mg/Kg		119	70 - 130	19 35

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## QC Sample Results

Client: Carmona Resources

Job ID: 880-42501-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-78923/2-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78885

Prep Batch: 78923

Analyte	Spike Added	LCSD		Unit	D	%Rec	Limits	RPD	RPD Limit
		Result	Qualifier						
Toluene	0.100	0.1147		mg/Kg		115	70 - 130	18	35
Ethylbenzene	0.100	0.1136		mg/Kg		114	70 - 130	15	35
m-Xylene & p-Xylene	0.200	0.2266		mg/Kg		113	70 - 130	17	35
o-Xylene	0.100	0.1132		mg/Kg		113	70 - 130	14	35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 890-6492-A-346-G MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78885

Prep Batch: 78923

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Benzene	<0.00199	U F1	0.100	0.06202	F1	mg/Kg		62	70 - 130
Toluene	<0.00199	U F1	0.100	0.06007	F1	mg/Kg		59	70 - 130
Ethylbenzene	<0.00199	U F1	0.100	0.05728	F1	mg/Kg		57	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1147	F1	mg/Kg		57	70 - 130
o-Xylene	<0.00199	U F1	0.100	0.06106	F1	mg/Kg		61	70 - 130

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-6492-A-346-H MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78885

Prep Batch: 78923

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
Benzene	<0.00199	U F1	0.100	0.07708		mg/Kg		77	70 - 130	22	35
Toluene	<0.00199	U F1	0.100	0.07578		mg/Kg		75	70 - 130	23	35
Ethylbenzene	<0.00199	U F1	0.100	0.07440		mg/Kg		74	70 - 130	26	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1471		mg/Kg		73	70 - 130	25	35
o-Xylene	<0.00199	U F1	0.100	0.07657		mg/Kg		76	70 - 130	23	35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

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

Lab Sample ID: MB 880-78929/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78877

Prep Batch: 78929

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/22/24 11:26	04/22/24 19:07	1

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## QC Sample Results

Client: Carmona Resources

Job ID: 880-42501-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-78929/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78877

Prep Batch: 78929

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/22/24 11:26	04/22/24 19:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/22/24 11:26	04/22/24 19:07	1
<b>MB MB</b>									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
	153	S1+	70 - 130				04/22/24 11:26	04/22/24 19:07	1
o-Terphenyl	143	S1+	70 - 130				04/22/24 11:26	04/22/24 19:07	1

Lab Sample ID: LCS 880-78929/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78877

Prep Batch: 78929

Analyte	Spike		LCS	LCS	Unit	D	%Rec	
	Added	Result	Qualifier	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10		1000	1024	mg/Kg		102	70 - 130	
Diesel Range Organics (Over C10-C28)		1000	940.5	mg/Kg		94	70 - 130	
<b>LCS LCS</b>								
Surrogate	%Recovery	Qualifier	Limits					
	101		70 - 130					
o-Terphenyl	109		70 - 130					

Lab Sample ID: LCSD 880-78929/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78877

Prep Batch: 78929

Analyte	Spike		LCSD	LCSD	Unit	D	%Rec		RPD
	Added	Result	Qualifier	%Rec	Limits	RPD	Limit		
Gasoline Range Organics (GRO)-C6-C10		1000	995.6	mg/Kg		100	70 - 130	3	20
Diesel Range Organics (Over C10-C28)		1000	838.1	mg/Kg		84	70 - 130	12	20
<b>LCSD LCSD</b>									
Surrogate	%Recovery	Qualifier	Limits						
	84		70 - 130						
o-Terphenyl	92		70 - 130						

Lab Sample ID: 880-42501-1 MS

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

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78877

Prep Batch: 78929

Analyte	Sample		Spike	MS	MS	Unit	D	%Rec	
	Result	Qualifier		Result	Qualifier			%Rec	Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	998	811.9	mg/Kg		78	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U F2	998	959.9	mg/Kg		94	70 - 130	
<b>MS MS</b>									
Surrogate	%Recovery	Qualifier	Limits						
	116		70 - 130						
o-Terphenyl	100		70 - 130						

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## QC Sample Results

Client: Carmona Resources

Job ID: 880-42501-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-42501-1 MSD

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

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78877

Prep Batch: 78929

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	998	1021	F2	mg/Kg		99	70 - 130	23	20
Diesel Range Organics (Over C10-C28)	<50.0	U F2	998	1222	F2	mg/Kg		121	70 - 130	24	20

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1-Chlorooctane	142	S1+	70 - 130
o-Terphenyl	121		70 - 130

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-78835/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 78897

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<5.00	U	5.00		mg/Kg			04/21/24 22:07	1

Lab Sample ID: LCS 880-78835/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 78897

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits	Dil Fac
	Added	Result	Qualifier					
Chloride	250	248.5		mg/Kg		99	90 - 110	

Lab Sample ID: LCSD 880-78835/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 78897

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	Limits	RPD	RPD
	Added	Result	Qualifier						
Chloride	250	246.6		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 880-42494-A-101-C MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 78897

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits	RPD
	Result	Qualifier	Added	Result	Qualifier					
Chloride	74.2		253	323.8		mg/Kg		99	90 - 110	

Lab Sample ID: 880-42494-A-101-D MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 78897

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD
	Result	Qualifier	Added	Result	Qualifier					
Chloride	74.2		253	321.1		mg/Kg		98	90 - 110	1

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## QC Association Summary

Client: Carmona Resources

Job ID: 880-42501-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

SDG: Eddy County, New Mexico

## GC VOA

## Analysis Batch: 78885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42501-1	S-1 (0-1')	Total/NA	Solid	8021B	78923
880-42501-2	S-1 (1.5')	Total/NA	Solid	8021B	78923
880-42501-3	S-1 (2')	Total/NA	Solid	8021B	78923
MB 880-78921/5-A	Method Blank	Total/NA	Solid	8021B	78891
MB 880-78923/5-A	Method Blank	Total/NA	Solid	8021B	78923
LCS 880-78923/1-A	Lab Control Sample	Total/NA	Solid	8021B	78923
LCSD 880-78923/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	78923
890-6492-A-346-G MS	Matrix Spike	Total/NA	Solid	8021B	78923
890-6492-A-346-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	78923

## Prep Batch: 78891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-78921/5-A	Method Blank	Total/NA	Solid	5035	10

## Prep Batch: 78923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42501-1	S-1 (0-1')	Total/NA	Solid	5035	12
880-42501-2	S-1 (1.5')	Total/NA	Solid	5035	13
880-42501-3	S-1 (2')	Total/NA	Solid	5035	14
MB 880-78923/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-78923/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-78923/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6492-A-346-G MS	Matrix Spike	Total/NA	Solid	5035	
890-6492-A-346-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 79066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42501-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-42501-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-42501-3	S-1 (2')	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Analysis Batch: 78877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42501-1	S-1 (0-1')	Total/NA	Solid	8015B NM	78929
880-42501-2	S-1 (1.5')	Total/NA	Solid	8015B NM	78929
880-42501-3	S-1 (2')	Total/NA	Solid	8015B NM	78929
MB 880-78929/1-A	Method Blank	Total/NA	Solid	8015B NM	78929
LCS 880-78929/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	78929
LCSD 880-78929/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	78929
880-42501-1 MS	S-1 (0-1')	Total/NA	Solid	8015B NM	78929
880-42501-1 MSD	S-1 (0-1')	Total/NA	Solid	8015B NM	78929

## Prep Batch: 78929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42501-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-42501-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-42501-3	S-1 (2')	Total/NA	Solid	8015NM Prep	
MB 880-78929/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-78929/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

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**QC Association Summary**

Client: Carmona Resources

Job ID: 880-42501-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

SDG: Eddy County, New Mexico

**GC Semi VOA (Continued)****Prep Batch: 78929 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-78929/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-42501-1 MS	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-42501-1 MSD	S-1 (0-1')	Total/NA	Solid	8015NM Prep	

**Analysis Batch: 79138**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42501-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-42501-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-42501-3	S-1 (2')	Total/NA	Solid	8015 NM	

**HPLC/IC****Leach Batch: 78835**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42501-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-42501-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-42501-3	S-1 (2')	Soluble	Solid	DI Leach	
MB 880-78835/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-78835/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-78835/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-42494-A-101-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-42494-A-101-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

**Analysis Batch: 78897**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42501-1	S-1 (0-1')	Soluble	Solid	300.0	78835
880-42501-2	S-1 (1.5')	Soluble	Solid	300.0	78835
880-42501-3	S-1 (2')	Soluble	Solid	300.0	78835
MB 880-78835/1-A	Method Blank	Soluble	Solid	300.0	78835
LCS 880-78835/2-A	Lab Control Sample	Soluble	Solid	300.0	78835
LCSD 880-78835/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	78835
880-42494-A-101-C MS	Matrix Spike	Soluble	Solid	300.0	78835
880-42494-A-101-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	78835

## Lab Chronicle

Client: Carmona Resources  
 Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

Job ID: 880-42501-1  
 SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-42501-1

Matrix: Solid

Date Collected: 04/17/24 00:00  
 Date Received: 04/19/24 15:55

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	78923	04/22/24 10:40	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78885	04/23/24 03:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79066	04/23/24 03:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			79138	04/22/24 20:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	78929	04/22/24 11:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78877	04/22/24 20:10	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	78835	04/20/24 12:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78897	04/22/24 17:43	SMC	EET MID

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

Lab Sample ID: 880-42501-2

Matrix: Solid

Date Collected: 04/17/24 00:00  
 Date Received: 04/19/24 15:55

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	78923	04/22/24 10:40	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78885	04/23/24 03:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79066	04/23/24 03:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			79138	04/22/24 21:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	78929	04/22/24 11:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78877	04/22/24 21:13	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	78835	04/20/24 12:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78897	04/22/24 17:49	SMC	EET MID

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

Lab Sample ID: 880-42501-3

Matrix: Solid

Date Collected: 04/17/24 00:00  
 Date Received: 04/19/24 15:55

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	78923	04/22/24 10:40	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78885	04/23/24 04:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79066	04/23/24 04:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			79138	04/22/24 21:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	78929	04/22/24 11:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78877	04/22/24 21:34	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	78835	04/20/24 12:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78897	04/22/24 17:56	SMC	EET MID

## Laboratory References:

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

Eurofins Midland

## Accreditation/Certification Summary

Client: Carmona Resources

Job ID: 880-42501-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

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	T104704400-23-26	06-30-24

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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Eurofins Midland

## Method Summary

Client: Carmona Resources

Job ID: 880-42501-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

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

Eurofins Midland

**Sample Summary**

Client: Carmona Resources

Job ID: 880-42501-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-42501-1	S-1 (0-1')	Solid	04/17/24 00:00	04/19/24 15:55
880-42501-2	S-1 (1.5')	Solid	04/17/24 00:00	04/19/24 15:55
880-42501-3	S-1 (2')	Solid	04/17/24 00:00	04/19/24 15:55

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880-42501 Chain of Custody

Project Manager		Conner Moehring	Bill to: (if different)	Carmona Resources		Work Order Comments		
Company Name:		Carmona Resources	Company Name:			Program: UST/IPS <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund		
Address:		310 W Wall St Ste 500	Address:			State of Project:		
City, State ZIP:		Midland, TX 79701	City, State ZIP:			Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>		
Phone:		432-813-6823	Email:	Email: <a href="mailto:carmona@carmonaresources.com">carmona@carmonaresources.com</a>		Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other		
ANALYSIS REQUEST								
Project Name:		Myox 21 State Com 9H - Flare Fire - 2.28.24	Turn Around					
Project Number:		2331	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush	Pres. Code			
Project Location		Eddy County, New Mexico	Due Date	72 HR				
Sampler's Name:		CRM						
PO #:								
Parameters								
Chloride 300								
TPH 8015M (GRO + DRO + MRO)								
BTEX 8021B								
Total Contaminants: 1								
SAMPLE RECEIPT		Team Blank: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Wet Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Received Intact:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID: <input checked="" type="checkbox"/> 123456789					
Cooler Custody Seals		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor: <input checked="" type="checkbox"/> 1.0					
Sample Custody Seals		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading: <input checked="" type="checkbox"/> 0.0					
Total Containers:			Corrected Temperature: <input checked="" type="checkbox"/> 0.0					
Sample Identification		Date	Time	Soil	Water	Grab/ Comp	# of Cont	Sample Comments
S-1 (0')		4/17/2024	X	G	1	X	X	
S-1 (1.5')		4/17/2024	X	G	1	X	X	
S-1 (2')		4/17/2024	X	G	1	X	X	

Comments: Email to [Mike.Carmona@carmonaresources.com](mailto:Mike.Carmona@carmonaresources.com) and [Commer.Moehring@carmonaresources.com](mailto:Commer.Moehring@carmonaresources.com)

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>James C. Jones</i>	4/10/04 1555	<i>John J. Jones</i>	4/10/04 1555

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-42501-1

SDG Number: Eddy County, New Mexico

**Login Number: 42501****List Source: Eurofins Midland****List Number: 1****Creator: Vasquez, Julisa**

Question	Answer	Comment	
The cooler's custody seal, if present, is intact.	N/A		1
Sample custody seals, if present, are intact.	N/A		2
The cooler or samples do not appear to have been compromised or tampered with.	True		3
Samples were received on ice.	True		4
Cooler Temperature is acceptable.	True		5
Cooler Temperature is recorded.	True		6
COC is present.	True		7
COC is filled out in ink and legible.	True		8
COC is filled out with all pertinent information.	True		9
Is the Field Sampler's name present on COC?	True		10
There are no discrepancies between the containers received and the COC.	True		11
Samples are received within Holding Time (excluding tests with immediate HTs)	True		12
Sample containers have legible labels.	True		13
Containers are not broken or leaking.	True		14
Sample collection date/times are provided.	True		
Appropriate sample containers are used.	True		
Sample bottles are completely filled.	True		
Sample Preservation Verified.	N/A		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A		



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 4/23/2024 3:19:04 PM

## JOB DESCRIPTION

Myox 21 State Com 9H- Flare Fire- 2.28.24  
Eddy County, New Mexico

## JOB NUMBER

880-42503-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

See page two for job notes and contact information

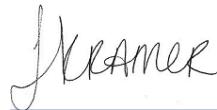
# Eurofins Midland

## 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  
4/23/2024 3:19:04 PM

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

Client: Carmona Resources  
 Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

Laboratory Job ID: 880-42503-1  
 SDG: Eddy County, New Mexico

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## Definitions/Glossary

Client: Carmona Resources  
 Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

Job ID: 880-42503-1  
 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
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low 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

Job ID: 880-42503-1

Project: Myox 21 State Com 9H- Flare Fire- 2.28.24

**Job ID: 880-42503-1****Eurofins Midland**

### Job Narrative 880-42503-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

### Receipt

The samples were received on 4/19/2024 3:55 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 0.0°C.

### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-42503-1), H-2 (0-0.5') (880-42503-2), H-3 (0-0.5') (880-42503-3) and H-4 (0-0.5') (880-42503-4).

### GC VOA

Method 8021B: The surrogate recovery for the blank associated with analytical batch 880-78886 was outside the upper control limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-78894 and analytical batch 880-78886 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.

### GC Semi VOA

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: H-1 (0-0.5') (880-42503-1), H-2 (0-0.5') (880-42503-2), H-3 (0-0.5') (880-42503-3), H-4 (0-0.5') (880-42503-4), (880-42448-A-10-B), (880-42448-A-10-N MS) and (880-42448-A-10-O MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-78774 and analytical batch 880-78869 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Job ID: 880-42503-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-42503-1

Date Collected: 04/17/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:55

## 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		04/22/24 08:39	04/22/24 22:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/22/24 08:39	04/22/24 22:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/22/24 08:39	04/22/24 22:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/22/24 08:39	04/22/24 22:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/22/24 08:39	04/22/24 22:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/22/24 08:39	04/22/24 22:28	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)	95			70 - 130			04/22/24 08:39	04/22/24 22:28	1
1,4-Difluorobenzene (Surr)	98			70 - 130			04/22/24 08:39	04/22/24 22:28	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			04/22/24 22:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/22/24 01:55	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		04/19/24 14:32	04/22/24 01:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 14:32	04/22/24 01:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 14:32	04/22/24 01:55	1
<b>Surrogate</b>									<b>Dil Fac</b>
1-Chlorooctane	65	S1-	70 - 130				04/19/24 14:32	04/22/24 01:55	1
o-Terphenyl	64	S1-	70 - 130				04/19/24 14:32	04/22/24 01:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			04/22/24 18:02	1

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

Lab Sample ID: 880-42503-2

Date Collected: 04/17/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:55

## 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		04/22/24 08:39	04/22/24 22:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/22/24 08:39	04/22/24 22:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/22/24 08:39	04/22/24 22:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/22/24 08:39	04/22/24 22:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/22/24 08:39	04/22/24 22:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/22/24 08:39	04/22/24 22:48	1
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	116			70 - 130			04/22/24 08:39	04/22/24 22:48	1
1,4-Difluorobenzene (Surr)	103			70 - 130			04/22/24 08:39	04/22/24 22:48	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources

Job ID: 880-42503-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

SDG: Eddy County, New Mexico

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

## Lab Sample ID: 880-42503-2

Matrix: Solid

Date Collected: 04/17/24 00:00

Date Received: 04/19/24 15:55

## 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			04/22/24 22:48	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			04/22/24 02:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/19/24 14:32	04/22/24 02:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/19/24 14:32	04/22/24 02:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/19/24 14:32	04/22/24 02:16	1

## Surrogate

	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130			04/19/24 14:32	04/22/24 02:16	1
<i>o</i> -Terphenyl	68	S1-	70 - 130			04/19/24 14:32	04/22/24 02:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			04/22/24 00:51	1

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

## Lab Sample ID: 880-42503-3

Matrix: Solid

Date Collected: 04/17/24 00:00

Date Received: 04/19/24 15:55

## 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		04/22/24 08:39	04/22/24 23:09	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/22/24 08:39	04/22/24 23:09	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/22/24 08:39	04/22/24 23:09	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/22/24 08:39	04/22/24 23:09	1
<i>o</i> -Xylene	<0.00198	U	0.00198		mg/Kg		04/22/24 08:39	04/22/24 23:09	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/22/24 08:39	04/22/24 23:09	1

## Surrogate

	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			04/22/24 08:39	04/22/24 23:09	1
1,4-Difluorobenzene (Surr)	103		70 - 130			04/22/24 08:39	04/22/24 23:09	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			04/22/24 23:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/22/24 02:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/19/24 14:32	04/22/24 02:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/19/24 14:32	04/22/24 02:36	1

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## Client Sample Results

Client: Carmona Resources

Job ID: 880-42503-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-42503-3

Date Collected: 04/17/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:55

## 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		04/19/24 14:32	04/22/24 02:36	1
<b>Surrogate</b>									
1-Chlorooctane	68	S1-	70 - 130				04/19/24 14:32	04/22/24 02:36	1
o-Terphenyl	67	S1-	70 - 130				04/19/24 14:32	04/22/24 02:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.61		5.04		mg/Kg			04/22/24 00:57	1

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

Lab Sample ID: 880-42503-4

Date Collected: 04/17/24 00:00

Matrix: Solid

Date Received: 04/19/24 15:55

## 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		04/22/24 08:39	04/22/24 23:29	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/22/24 08:39	04/22/24 23:29	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/22/24 08:39	04/22/24 23:29	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/22/24 08:39	04/22/24 23:29	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/22/24 08:39	04/22/24 23:29	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/22/24 08:39	04/22/24 23:29	1
<b>Surrogate</b>									
4-Bromofluorobenzene (Surr)	114		70 - 130				04/22/24 08:39	04/22/24 23:29	1
1,4-Difluorobenzene (Surr)	103		70 - 130				04/22/24 08:39	04/22/24 23:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			04/22/24 23:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/22/24 02:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/19/24 14:32	04/22/24 02:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/19/24 14:32	04/22/24 02:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/19/24 14:32	04/22/24 02:56	1
<b>Surrogate</b>									
1-Chlorooctane	63	S1-	70 - 130				04/19/24 14:32	04/22/24 02:56	1
o-Terphenyl	65	S1-	70 - 130				04/19/24 14:32	04/22/24 02:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.3		5.02		mg/Kg			04/22/24 01:03	1

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**Surrogate Summary**

Client: Carmona Resources

Job ID: 880-42503-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

SDG: Eddy County, New Mexico

**Method: 8021B - Volatile Organic Compounds (GC)****Matrix: Solid****Prep Type: Total/NA**

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Percent Surrogate Recovery (Acceptance Limits)</b>	
		<b>BFB1</b> <b>(70-130)</b>	<b>DFBZ1</b> <b>(70-130)</b>
880-42393-A-11-G MS	Matrix Spike	93	103
880-42393-A-11-H MSD	Matrix Spike Duplicate	100	96
880-42503-1	H-1 (0-0.5')	95	98
880-42503-2	H-2 (0-0.5')	116	103
880-42503-3	H-3 (0-0.5')	113	103
880-42503-4	H-4 (0-0.5')	114	103
LCS 880-78894/1-A	Lab Control Sample	102	98
LCSD 880-78894/2-A	Lab Control Sample Dup	102	108
MB 880-78886/8	Method Blank	159 S1+	104
MB 880-78894/5-A	Method Blank	183 S1+	119

**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**

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Percent Surrogate Recovery (Acceptance Limits)</b>	
		<b>1CO1</b> <b>(70-130)</b>	<b>OTPH1</b> <b>(70-130)</b>
880-42448-A-10-N MS	Matrix Spike	67 S1-	63 S1-
880-42448-A-10-O MSD	Matrix Spike Duplicate	67 S1-	62 S1-
880-42503-1	H-1 (0-0.5')	65 S1-	64 S1-
880-42503-2	H-2 (0-0.5')	70	68 S1-
880-42503-3	H-3 (0-0.5')	68 S1-	67 S1-
880-42503-4	H-4 (0-0.5')	63 S1-	65 S1-
LCS 880-78774/2-A	Lab Control Sample	99	111
LCSD 880-78774/3-A	Lab Control Sample Dup	96	107
MB 880-78774/1-A	Method Blank	111	109

**Surrogate Legend**

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

## QC Sample Results

Client: Carmona Resources

Job ID: 880-42503-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-78886/8

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78886

Analyte	MB		MB		MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier	RL							
Benzene	<0.00200	U	0.00200		mg/Kg				04/22/24 11:41	1
Toluene	<0.00200	U	0.00200		mg/Kg				04/22/24 11:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg				04/22/24 11:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg				04/22/24 11:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg				04/22/24 11:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg				04/22/24 11:41	1

Surrogate	MB		MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
4-Bromofluorobenzene (Surr)	159	S1+		70 - 130			04/22/24 11:41	1
1,4-Difluorobenzene (Surr)	104			70 - 130			04/22/24 11:41	1

Lab Sample ID: MB 880-78894/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78886

Prep Batch: 78894

Analyte	MB		MB		MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier	RL							
Benzene	<0.00200	U	0.00200		mg/Kg				04/22/24 08:39	1
Toluene	<0.00200	U	0.00200		mg/Kg				04/22/24 08:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg				04/22/24 08:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg				04/22/24 08:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg				04/22/24 08:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg				04/22/24 08:39	1

Surrogate	MB		MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
4-Bromofluorobenzene (Surr)	183	S1+		70 - 130		04/22/24 08:39	04/22/24 17:05	1
1,4-Difluorobenzene (Surr)	119			70 - 130		04/22/24 08:39	04/22/24 17:05	1

Lab Sample ID: LCS 880-78894/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78886

Prep Batch: 78894

Analyte	Spike		LCS		Unit	D	%Rec	Limits
	Added	Result	Result	Qualifier				
Benzene	0.100	0.09050	mg/Kg		91			70 - 130
Toluene	0.100	0.08590	mg/Kg		86			70 - 130
Ethylbenzene	0.100	0.09821	mg/Kg		98			70 - 130
m-Xylene & p-Xylene	0.200	0.2030	mg/Kg		102			70 - 130
o-Xylene	0.100	0.08904	mg/Kg		89			70 - 130

Surrogate	LCS		LCS		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
4-Bromofluorobenzene (Surr)	102		70 - 130			04/22/24 08:39	04/22/24 17:05	1
1,4-Difluorobenzene (Surr)	98		70 - 130			04/22/24 08:39	04/22/24 17:05	1

Lab Sample ID: LCSD 880-78894/2-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78886

Prep Batch: 78894

Analyte	Spike		LCSD		Unit	D	%Rec	Limits	RPD
	Added	Result	Result	Qualifier					
Benzene	0.100	0.09735	mg/Kg		97			70 - 130	7

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## QC Sample Results

Client: Carmona Resources

Job ID: 880-42503-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-78894/2-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78886

Prep Batch: 78894

Analyte	Spike Added	LCSD		Unit	D	%Rec	Limits	RPD	RPD Limit
		Result	Qualifier						
Toluene	0.100	0.08652		mg/Kg		87	70 - 130	1	35
Ethylbenzene	0.100	0.1000		mg/Kg		100	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2176		mg/Kg		109	70 - 130	7	35
o-Xylene	0.100	0.09731		mg/Kg		97	70 - 130	9	35

Surrogate	LCSD		LCSD	
	%Recovery	Qualifier	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102			70 - 130
1,4-Difluorobenzene (Surr)	108			70 - 130

Lab Sample ID: 880-42393-A-11-G MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78886

Prep Batch: 78894

Analyte	Sample		Spike		MS		MS		%Rec	Limits
	Result	Qualifier	Added		Result	Qualifier	Unit	D		
Benzene	<0.00199	U	0.0996		0.09615		mg/Kg		97	70 - 130
Toluene	<0.00199	U	0.0996		0.08600		mg/Kg		86	70 - 130
Ethylbenzene	<0.00199	U	0.0996		0.09382		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199		0.1922		mg/Kg		96	70 - 130
o-Xylene	<0.00199	U	0.0996		0.08626		mg/Kg		87	70 - 130

Surrogate	MS		MS	
	%Recovery	Qualifier	Qualifier	Limits
4-Bromofluorobenzene (Surr)	93			70 - 130
1,4-Difluorobenzene (Surr)	103			70 - 130

Lab Sample ID: 880-42393-A-11-H MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78886

Prep Batch: 78894

Analyte	Sample		Spike		MSD		MSD		%Rec	Limits	RPD	RPD Limit
	Result	Qualifier	Added		Result	Qualifier	Unit	D				
Benzene	<0.00199	U	0.101		0.09021		mg/Kg		89	70 - 130	6	35
Toluene	<0.00199	U	0.101		0.08831		mg/Kg		88	70 - 130	3	35
Ethylbenzene	<0.00199	U	0.101		0.1011		mg/Kg		100	70 - 130	7	35
m-Xylene & p-Xylene	<0.00398	U	0.202		0.2059		mg/Kg		102	70 - 130	7	35
o-Xylene	<0.00199	U	0.101		0.09141		mg/Kg		91	70 - 130	6	35

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

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

Lab Sample ID: MB 880-78774/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78869

Prep Batch: 78774

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		04/19/24 14:32	04/21/24 18:27	1

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## QC Sample Results

Client: Carmona Resources

Job ID: 880-42503-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-78774/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78869

Prep Batch: 78774

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 14:32	04/21/24 18:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 14:32	04/21/24 18:27	1
<b>Surrogate</b>									
Surrogate	MB		Limits			D	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	111		70 - 130				04/19/24 14:32	04/21/24 18:27	1
o-Terphenyl	109		70 - 130				04/19/24 14:32	04/21/24 18:27	1

Lab Sample ID: LCS 880-78774/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78869

Prep Batch: 78774

Analyte	Spike		LCS	LCS	Unit	D	%Rec	Limits	
	Added	Result							
Gasoline Range Organics (GRO)-C6-C10	1000	981.0	mg/Kg				98	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	924.8	mg/Kg				92	70 - 130	
<b>Surrogate</b>									
Surrogate	LCS		LCS	Qualifier	Unit	D	%Rec	Limits	
	%Recovery	Qualifier							
1-Chlorooctane	99		70 - 130						
o-Terphenyl	111		70 - 130						

Lab Sample ID: LCSD 880-78774/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78869

Prep Batch: 78774

Analyte	Spike		LCSD	LCSD	Unit	D	%Rec	Limits	RPD
	Added	Result							
Gasoline Range Organics (GRO)-C6-C10	1000	991.8	mg/Kg				99	70 - 130	1
Diesel Range Organics (Over C10-C28)	1000	904.4	mg/Kg				90	70 - 130	2
<b>Surrogate</b>									
Surrogate	LCSD		LCSD	Qualifier	Unit	D	%Rec	Limits	RPD
	%Recovery	Qualifier							
1-Chlorooctane	96		70 - 130						
o-Terphenyl	107		70 - 130						

Lab Sample ID: 880-42448-A-10-N MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78869

Prep Batch: 78774

Analyte	Sample		Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	999	885.2	mg/Kg		89	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U F1	999	635.5	F1	mg/Kg	62	70 - 130	
<b>Surrogate</b>									
Surrogate	MS		MS	Qualifier	Unit	D	%Rec	Limits	
	%Recovery	Qualifier							
1-Chlorooctane	67	S1-	70 - 130						
o-Terphenyl	63	S1-	70 - 130						

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## QC Sample Results

Client: Carmona Resources

Job ID: 880-42503-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-42448-A-10-O MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 78869

Prep Batch: 78774

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	999	707.7	F2	mg/Kg		71	70 - 130	22	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	999	610.9	F1	mg/Kg		59	70 - 130	4	20
<b>Surrogate</b>											
1-Chlorooctane	67	S1-		70 - 130							
<i>o</i> -Terphenyl	62	S1-		70 - 130							

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-78835/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 78897

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<5.00	U	5.00	mg/Kg				04/21/24 22:07	1

Lab Sample ID: LCS 880-78835/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 78897

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits	Dil Fac
	Added	Result	Qualifier					
Chloride	250	248.5		mg/Kg		99	90 - 110	

Lab Sample ID: LCSD 880-78835/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 78897

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	Limits	RPD	RPD
	Added	Result	Qualifier						
Chloride	250	246.6		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 880-42494-A-101-C MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 78897

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits	RPD
	Result	Qualifier	Added	Result	Qualifier					
Chloride	74.2		253	323.8		mg/Kg		99	90 - 110	

Lab Sample ID: 880-42494-A-101-D MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 78897

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD
	Result	Qualifier	Added	Result	Qualifier					
Chloride	74.2		253	321.1		mg/Kg		98	90 - 110	1

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## QC Association Summary

Client: Carmona Resources

Job ID: 880-42503-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

SDG: Eddy County, New Mexico

## GC VOA

## Analysis Batch: 78886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42503-1	H-1 (0-0.5')	Total/NA	Solid	8021B	78894
880-42503-2	H-2 (0-0.5')	Total/NA	Solid	8021B	78894
880-42503-3	H-3 (0-0.5')	Total/NA	Solid	8021B	78894
880-42503-4	H-4 (0-0.5')	Total/NA	Solid	8021B	78894
MB 880-78886/8	Method Blank	Total/NA	Solid	8021B	
MB 880-78894/5-A	Method Blank	Total/NA	Solid	8021B	78894
LCS 880-78894/1-A	Lab Control Sample	Total/NA	Solid	8021B	78894
LCSD 880-78894/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	78894
880-42393-A-11-G MS	Matrix Spike	Total/NA	Solid	8021B	78894
880-42393-A-11-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	78894

## Prep Batch: 78894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42503-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-42503-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-42503-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-42503-4	H-4 (0-0.5')	Total/NA	Solid	5035	
MB 880-78894/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-78894/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-78894/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-42393-A-11-G MS	Matrix Spike	Total/NA	Solid	5035	
880-42393-A-11-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 79123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42503-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-42503-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-42503-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-42503-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 78774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42503-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-42503-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-42503-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-42503-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-78774/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-78774/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-78774/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-42448-A-10-N MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-42448-A-10-O MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 78869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42503-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	78774
880-42503-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	78774
880-42503-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	78774
880-42503-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	78774
MB 880-78774/1-A	Method Blank	Total/NA	Solid	8015B NM	78774

Eurofins Midland

**QC Association Summary**

Client: Carmona Resources

Job ID: 880-42503-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

SDG: Eddy County, New Mexico

**GC Semi VOA (Continued)****Analysis Batch: 78869 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-78774/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	78774
LCSD 880-78774/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	78774
880-42448-A-10-N MS	Matrix Spike	Total/NA	Solid	8015B NM	78774
880-42448-A-10-O MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	78774

**Analysis Batch: 78939**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42503-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	8
880-42503-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	9
880-42503-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	10
880-42503-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	11

**HPLC/IC****Leach Batch: 78835**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42503-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	12
880-42503-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	13
880-42503-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	14
880-42503-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-78835/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-78835/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-78835/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-42494-A-101-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-42494-A-101-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

**Analysis Batch: 78897**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42503-1	H-1 (0-0.5')	Soluble	Solid	300.0	78835
880-42503-2	H-2 (0-0.5')	Soluble	Solid	300.0	78835
880-42503-3	H-3 (0-0.5')	Soluble	Solid	300.0	78835
880-42503-4	H-4 (0-0.5')	Soluble	Solid	300.0	78835
MB 880-78835/1-A	Method Blank	Soluble	Solid	300.0	78835
LCS 880-78835/2-A	Lab Control Sample	Soluble	Solid	300.0	78835
LCSD 880-78835/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	78835
880-42494-A-101-C MS	Matrix Spike	Soluble	Solid	300.0	78835
880-42494-A-101-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	78835

## Lab Chronicle

Client: Carmona Resources  
 Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

Job ID: 880-42503-1  
 SDG: Eddy County, New Mexico

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

Date Collected: 04/17/24 00:00

Date Received: 04/19/24 15:55

## Lab Sample ID: 880-42503-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	78894	04/22/24 08:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78886	04/22/24 22:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79123	04/22/24 22:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			78939	04/22/24 01:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	78774	04/19/24 14:32	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78869	04/22/24 01:55	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	78835	04/20/24 12:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78897	04/22/24 18:02	SMC	EET MID

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

Date Collected: 04/17/24 00:00

Date Received: 04/19/24 15:55

## Lab Sample ID: 880-42503-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	78894	04/22/24 08:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78886	04/22/24 22:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79123	04/22/24 22:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			78939	04/22/24 02:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	78774	04/19/24 14:32	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78869	04/22/24 02:16	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	78835	04/20/24 12:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78897	04/22/24 00:51	SMC	EET MID

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

Date Collected: 04/17/24 00:00

Date Received: 04/19/24 15:55

## Lab Sample ID: 880-42503-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	78894	04/22/24 08:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78886	04/22/24 23:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79123	04/22/24 23:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			78939	04/22/24 02:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	78774	04/19/24 14:32	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78869	04/22/24 02:36	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78835	04/20/24 12:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78897	04/22/24 00:57	SMC	EET MID

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

Date Collected: 04/17/24 00:00

Date Received: 04/19/24 15:55

## Lab Sample ID: 880-42503-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	78894	04/22/24 08:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78886	04/22/24 23:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79123	04/22/24 23:29	SM	EET MID

Eurofins Midland

**Lab Chronicle**

Client: Carmona Resources

Job ID: 880-42503-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

SDG: Eddy County, New Mexico

**Client Sample ID: H-4 (0-0.5')****Lab Sample ID: 880-42503-4**

Matrix: Solid

Date Collected: 04/17/24 00:00

Date Received: 04/19/24 15:55

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			78939	04/22/24 02:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	78774	04/19/24 14:32	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78869	04/22/24 02:56	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	78835	04/20/24 12:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78897	04/22/24 01:03	SMC	EET MID

**Laboratory References:**

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

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Eurofins Midland

## Accreditation/Certification Summary

Client: Carmona Resources

Job ID: 880-42503-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

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	T104704400-23-26	06-30-24

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

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

## Method Summary

Client: Carmona Resources

Job ID: 880-42503-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

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

Eurofins Midland

**Sample Summary**

Client: Carmona Resources

Job ID: 880-42503-1

Project/Site: Myox 21 State Com 9H- Flare Fire- 2.28.24

SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-42503-1	H-1 (0-0.5')	Solid	04/17/24 00:00	04/19/24 15:55
880-42503-2	H-2 (0-0.5')	Solid	04/17/24 00:00	04/19/24 15:55
880-42503-3	H-3 (0-0.5')	Solid	04/17/24 00:00	04/19/24 15:55
880-42503-4	H-4 (0-0.5')	Solid	04/17/24 00:00	04/19/24 15:55

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8880-42503 Chain of Custody

Project Manager Conner Moehring		Bill to: (if different) Carmona Resources		Carmona Resources	
Company Name Carmona Resources		Company Name			
Address. 310 W Wall St Ste 500		Address.			
City, State ZIP Midland, TX 79701		City, State ZIP			
Phone: 432-813-6823		Email: mcarmona@carmonaresources.com			
Project Name: Myox 21 State Com 9H - Flare Fire - 2.28.24					
Turn Around					
Project Number 2331		□ Routine □ Rush		Pres. Code	
Project Location Eddy County, New Mexico		Due Date 72 HR			
Sampler's Name CRM					
PO #:					
ANALYSIS REQUEST					
TPH 8015M (GRO + DRO + MRO)					
Chloride 300					
BTEX 8021B					
Parameters					
SAMPLE RECEIPT		Temp Blank Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Received Intact: Cooler Custody Seals.		Thermometer ID Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Sample Custody Seals		Temperature Reading Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Corrected Temperature Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Total Containers.		- <input checked="" type="checkbox"/>		- <input type="checkbox"/>	
Sample Identification		Date	Time	Soil	Grav. Water Comp
H-1 (0-0.5')		4/17/2024	X	G	1 X X X
H-2 (0-0.5')		4/17/2024	X	G	1 X X X
H-3 (0-0.5')		4/17/2024	X	G	1 X X X
H-4 (0-0.5')		4/17/2024	X	G	1 X X X
Preservative Codes					
None, NO DI Water H <sub>2</sub> O					
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 <sub>3</sub> PO <sub>4</sub> HP					
NaHSO <sub>4</sub> NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>8</sub> , NaSO <sub>3</sub> Zn Acetate+NaOH Zn NaOH+Ascorbic Acid SAPC					
Sample Comments					
Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com					
Relinquished by (Signature) <i>Conner Moehring</i>		Date/Time 4/19/24 1555		Received by (Signature) <i>Mike Carmona</i>	
				Date/Time 4/19/24 1555	

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

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-42503-1

SDG Number: Eddy County, New Mexico

**Login Number: 42503****List Source: Eurofins Midland****List Number: 1****Creator: Vasquez, Julisa**

Question	Answer	Comment	
The cooler's custody seal, if present, is intact.	N/A		1
Sample custody seals, if present, are intact.	N/A		2
The cooler or samples do not appear to have been compromised or tampered with.	True		3
Samples were received on ice.	True		4
Cooler Temperature is acceptable.	True		5
Cooler Temperature is recorded.	True		6
COC is present.	True		7
COC is filled out in ink and legible.	True		8
COC is filled out with all pertinent information.	True		9
Is the Field Sampler's name present on COC?	True		10
There are no discrepancies between the containers received and the COC.	True		11
Samples are received within Holding Time (excluding tests with immediate HTs)	True		12
Sample containers have legible labels.	True		13
Containers are not broken or leaking.	True		14
Sample collection date/times are provided.	True		
Appropriate sample containers are used.	True		
Sample bottles are completely filled.	True		
Sample Preservation Verified.	N/A		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A		



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 8/14/2025 12:53:59 PM

## JOB DESCRIPTION

Myox 21 State Com 9H-Flare Fire - 2.28.24  
Eddy County, New Mexico

## JOB NUMBER

880-61320-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

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

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

## Authorization



Generated  
8/14/2025 12:53:59 PM

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

Client: Carmona Resources  
 Project/Site: Myox 21 State Com 9H-Flare Fire - 2.28.24

Laboratory Job ID: 880-61320-1  
 SDG: Eddy County, New Mexico

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## Definitions/Glossary

Client: Carmona Resources  
 Project/Site: Myox 21 State Com 9H-Flare Fire - 2.28.24

Job ID: 880-61320-1  
 SDG: Eddy County, New Mexico

### Qualifiers

#### GC VOA

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

#### GC Semi VOA

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

#### HPLC/IC

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

### Glossary

#### Abbreviation

**These commonly used abbreviations may or may not be present in this report.**

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

## Case Narrative

Client: Carmona Resources

Job ID: 880-61320-1

Project: Myox 21 State Com 9H-Flare Fire - 2.28.24

**Job ID: 880-61320-1****Eurofins Midland**

### Job Narrative 880-61320-1

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

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

**Receipt**

The samples were received on 8/11/2025 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.7°C.

**GC VOA**

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

**Diesel Range Organics**

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: CS-2 (Surface) (880-61320-2). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: SW-1 (Surface) (880-61320-4). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-116417 and analytical batch 880-116606 was outside the upper control limits.

Method 8015MOD\_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-116417 and analytical batch 880-116606 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD\_NM: The continuing calibration verification (CCV) associated with batch 880-116606 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is: (CCV 880-116606/19).

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

Job ID: 880-61320-1

Project/Site: Myox 21 State Com 9H-Flare Fire - 2.28.24

SDG: Eddy County, New Mexico

## Client Sample ID: CS-1 (Surface)

Lab Sample ID: 880-61320-1

Date Collected: 08/06/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg	08/11/25 12:12	08/12/25 11:48		1
Toluene	<0.00200	U	0.00200		mg/Kg	08/11/25 12:12	08/12/25 11:48		1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg	08/11/25 12:12	08/12/25 11:48		1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg	08/11/25 12:12	08/12/25 11:48		1
o-Xylene	<0.00200	U	0.00200		mg/Kg	08/11/25 12:12	08/12/25 11:48		1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg	08/11/25 12:12	08/12/25 11:48		1
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)		109		70 - 130			08/11/25 12:12	08/12/25 11:48	1
1,4-Difluorobenzene (Surr)		88		70 - 130			08/11/25 12:12	08/12/25 11:48	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			08/12/25 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/11/25 17:32	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	<50.0	U	50.0		mg/Kg	08/11/25 11:28	08/11/25 17:32		1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg	08/11/25 11:28	08/11/25 17:32		1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg	08/11/25 11:28	08/11/25 17:32		1
<b>Surrogate</b>									<b>Dil Fac</b>
1-Chlorooctane (Surr)		88	70 - 130			08/11/25 11:28	08/11/25 17:32		1
o-Terphenyl (Surr)		70	70 - 130			08/11/25 11:28	08/11/25 17:32		1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.90	U	9.90		mg/Kg			08/12/25 16:46	1

## Client Sample ID: CS-2 (Surface)

Lab Sample ID: 880-61320-2

Date Collected: 08/06/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg	08/11/25 12:12	08/12/25 12:09		1
Toluene	<0.00201	U	0.00201		mg/Kg	08/11/25 12:12	08/12/25 12:09		1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg	08/11/25 12:12	08/12/25 12:09		1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg	08/11/25 12:12	08/12/25 12:09		1
o-Xylene	<0.00201	U	0.00201		mg/Kg	08/11/25 12:12	08/12/25 12:09		1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg	08/11/25 12:12	08/12/25 12:09		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)		113		70 - 130			08/11/25 12:12	08/12/25 12:09	1
1,4-Difluorobenzene (Surr)		90		70 - 130			08/11/25 12:12	08/12/25 12:09	1

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## Client Sample Results

Client: Carmona Resources

Job ID: 880-61320-1

Project/Site: Myox 21 State Com 9H-Flare Fire - 2.28.24

SDG: Eddy County, New Mexico

## Client Sample ID: CS-2 (Surface)

Lab Sample ID: 880-61320-2

Matrix: Solid

Date Collected: 08/06/25 00:00

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/12/25 12:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/11/25 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg			08/11/25 11:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg			08/11/25 11:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg			08/11/25 11:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	75		70 - 130				08/11/25 11:28	08/11/25 17:48	1
<i>o</i> -Terphenyl (Surr)	62	S1-	70 - 130				08/11/25 11:28	08/11/25 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/12/25 16:53	1

## Client Sample ID: CS-3 (Surface)

Lab Sample ID: 880-61320-3

Matrix: Solid

Date Collected: 08/06/25 00:00

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg			08/11/25 12:12	1
Toluene	<0.00202	U	0.00202		mg/Kg			08/11/25 12:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg			08/11/25 12:12	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg			08/11/25 12:12	1
<i>o</i> -Xylene	<0.00202	U	0.00202		mg/Kg			08/11/25 12:12	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg			08/11/25 12:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				08/11/25 12:12	08/12/25 12:29	1
1,4-Difluorobenzene (Surr)	88		70 - 130				08/11/25 12:12	08/12/25 12:29	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			08/12/25 12:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/11/25 18:03	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			08/11/25 18:03	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg			08/11/25 18:03	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources

Job ID: 880-61320-1

Project/Site: Myox 21 State Com 9H-Flare Fire - 2.28.24

SDG: Eddy County, New Mexico

## Client Sample ID: CS-3 (Surface)

Lab Sample ID: 880-61320-3

Date Collected: 08/06/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/11/25 11:28	08/11/25 18:03	1
<b>Surrogate</b>									
1-Chlorooctane (Surr)	90		70 - 130				08/11/25 11:28	08/11/25 18:03	1
o-Terphenyl (Surr)	72		70 - 130				08/11/25 11:28	08/11/25 18:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.7		10.1		mg/Kg			08/12/25 17:01	1

## Client Sample ID: SW-1 (Surface)

Lab Sample ID: 880-61320-4

Date Collected: 08/06/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:12	08/12/25 12:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:12	08/12/25 12:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:12	08/12/25 12:50	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		08/11/25 12:12	08/12/25 12:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:12	08/12/25 12:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/25 12:12	08/12/25 12:50	1
<b>Surrogate</b>									
4-Bromofluorobenzene (Surr)	110		70 - 130				08/11/25 12:12	08/12/25 12:50	1
1,4-Difluorobenzene (Surr)	91		70 - 130				08/11/25 12:12	08/12/25 12:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/12/25 12:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/11/25 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	<49.7	U	49.7		mg/Kg		08/11/25 11:28	08/11/25 18:20	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/11/25 11:28	08/11/25 18:20	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/11/25 11:28	08/11/25 18:20	1
<b>Surrogate</b>									
1-Chlorooctane (Surr)	77		70 - 130				08/11/25 11:28	08/11/25 18:20	1
o-Terphenyl (Surr)	63	S1-	70 - 130				08/11/25 11:28	08/11/25 18:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/12/25 17:08	1

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## Client Sample Results

Client: Carmona Resources

Job ID: 880-61320-1

Project/Site: Myox 21 State Com 9H-Flare Fire - 2.28.24

SDG: Eddy County, New Mexico

## Client Sample ID: SW-2 (Surface)

Lab Sample ID: 880-61320-5

Date Collected: 08/06/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/25 12:12	08/12/25 13:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/25 12:12	08/12/25 13:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/25 12:12	08/12/25 13:10	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		08/11/25 12:12	08/12/25 13:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/25 12:12	08/12/25 13:10	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/25 12:12	08/12/25 13:10	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)		106		70 - 130			08/11/25 12:12	08/12/25 13:10	1
1,4-Difluorobenzene (Surr)		90		70 - 130			08/11/25 12:12	08/12/25 13:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/12/25 13:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/11/25 18:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/25 11:28	08/11/25 18:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 11:28	08/11/25 18:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 11:28	08/11/25 18:36	1
<b>Surrogate</b>									<b>Dil Fac</b>
1-Chlorooctane (Surr)		91	70 - 130				08/11/25 11:28	08/11/25 18:36	1
o-Terphenyl (Surr)		72	70 - 130				08/11/25 11:28	08/11/25 18:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/12/25 17:30	1

## Client Sample ID: SW-3 (Surface)

Lab Sample ID: 880-61320-6

Date Collected: 08/06/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/25 12:12	08/12/25 13:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/25 12:12	08/12/25 13:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/25 12:12	08/12/25 13:31	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		08/11/25 12:12	08/12/25 13:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/25 12:12	08/12/25 13:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/25 12:12	08/12/25 13:31	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)		109		70 - 130			08/11/25 12:12	08/12/25 13:31	1
1,4-Difluorobenzene (Surr)		89		70 - 130			08/11/25 12:12	08/12/25 13:31	1

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## Client Sample Results

Client: Carmona Resources

Job ID: 880-61320-1

Project/Site: Myox 21 State Com 9H-Flare Fire - 2.28.24

SDG: Eddy County, New Mexico

## Client Sample ID: SW-3 (Surface)

Lab Sample ID: 880-61320-6

Matrix: Solid

Date Collected: 08/06/25 00:00

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/12/25 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	75.5		50.0		mg/Kg			08/13/25 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	50.0		mg/Kg		08/11/25 15:20	08/13/25 11:24	1
Diesel Range Organics (Over C10-C28)	75.5		50.0		mg/Kg		08/11/25 15:20	08/13/25 11:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 15:20	08/13/25 11:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130				08/11/25 15:20	08/13/25 11:24	1
<i>o</i> -Terphenyl (Surr)	98		70 - 130				08/11/25 15:20	08/13/25 11:24	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			08/12/25 17:37	1

## Client Sample ID: SW-4 (Surface)

Lab Sample ID: 880-61320-7

Matrix: Solid

Date Collected: 08/06/25 00:00

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/11/25 12:12	08/12/25 13:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/25 12:12	08/12/25 13:51	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/25 12:12	08/12/25 13:51	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		08/11/25 12:12	08/12/25 13:51	1
<i>o</i> -Xylene	<0.00202	U	0.00202		mg/Kg		08/11/25 12:12	08/12/25 13:51	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/11/25 12:12	08/12/25 13:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				08/11/25 12:12	08/12/25 13:51	1
1,4-Difluorobenzene (Surr)	92		70 - 130				08/11/25 12:12	08/12/25 13:51	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			08/12/25 13:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/13/25 12:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/11/25 15:20	08/13/25 12:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/11/25 15:20	08/13/25 12:26	1

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## Client Sample Results

Client: Carmona Resources

Job ID: 880-61320-1

Project/Site: Myox 21 State Com 9H-Flare Fire - 2.28.24

SDG: Eddy County, New Mexico

## Client Sample ID: SW-4 (Surface)

Lab Sample ID: 880-61320-7

Date Collected: 08/06/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/11/25 15:20	08/13/25 12:26	1
<b>Surrogate</b>									
1-Chlorooctane (Surr)	99		70 - 130				08/11/25 15:20	08/13/25 12:26	1
<i>o</i> -Terphenyl (Surr)	102		70 - 130				08/11/25 15:20	08/13/25 12:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/12/25 17:45	1

Eurofins Midland

**Surrogate Summary**

Client: Carmona Resources

Job ID: 880-61320-1

Project/Site: Myox 21 State Com 9H-Flare Fire - 2.28.24

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)
880-61320-1	CS-1 (Surface)	109	88
880-61320-1 MS	CS-1 (Surface)	111	95
880-61320-1 MSD	CS-1 (Surface)	111	93
880-61320-2	CS-2 (Surface)	113	90
880-61320-3	CS-3 (Surface)	105	88
880-61320-4	SW-1 (Surface)	110	91
880-61320-5	SW-2 (Surface)	106	90
880-61320-6	SW-3 (Surface)	109	89
880-61320-7	SW-4 (Surface)	109	92
LCS 880-116368/1-A	Lab Control Sample	113	91
LCSD 880-116368/2-A	Lab Control Sample Dup	110	92
MB 880-116368/5-A	Method Blank	107	91

**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)
880-61318-A-7-C MS	Matrix Spike	82	78
880-61318-A-7-D MSD	Matrix Spike Duplicate	98	77
880-61320-1	CS-1 (Surface)	88	70
880-61320-2	CS-2 (Surface)	75	62 S1-
880-61320-3	CS-3 (Surface)	90	72
880-61320-4	SW-1 (Surface)	77	63 S1-
880-61320-5	SW-2 (Surface)	91	72
880-61320-6	SW-3 (Surface)	98	98
880-61320-6 MS	SW-3 (Surface)	99	92
880-61320-6 MSD	SW-3 (Surface)	97	92
880-61320-7	SW-4 (Surface)	99	102
LCS 880-116344/2-A	Lab Control Sample	97	101
LCS 880-116417/2-A	Lab Control Sample	120	125
LCSD 880-116344/3-A	Lab Control Sample Dup	100	101
LCSD 880-116417/3-A	Lab Control Sample Dup	126	127
MB 880-116344/1-A	Method Blank	109	105
MB 880-116417/1-A	Method Blank	136 S1+	149 S1+

**Surrogate Legend**

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

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## QC Sample Results

Client: Carmona Resources

Job ID: 880-61320-1

Project/Site: Myox 21 State Com 9H-Flare Fire - 2.28.24

SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-116368/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116441

Prep Batch: 116368

Analyte	MB		MB		MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier	RL							
Benzene	<0.00200	U	0.00200			mg/Kg		08/11/25 12:12	08/12/25 11:26	1
Toluene	<0.00200	U	0.00200			mg/Kg		08/11/25 12:12	08/12/25 11:26	1
Ethylbenzene	<0.00200	U	0.00200			mg/Kg		08/11/25 12:12	08/12/25 11:26	1
m,p-Xylenes	<0.00400	U	0.00400			mg/Kg		08/11/25 12:12	08/12/25 11:26	1
o-Xylene	<0.00200	U	0.00200			mg/Kg		08/11/25 12:12	08/12/25 11:26	1
Xylenes, Total	<0.00400	U	0.00400			mg/Kg		08/11/25 12:12	08/12/25 11:26	1
Surrogate	MB		MB		Limits		D	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier								
4-Bromofluorobenzene (Surr)	107				70 - 130			08/11/25 12:12	08/12/25 11:26	1
1,4-Difluorobenzene (Surr)	91				70 - 130			08/11/25 12:12	08/12/25 11:26	1

Lab Sample ID: LCS 880-116368/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116441

Prep Batch: 116368

Analyte	Spike		LCS		Unit	D	%Rec		Limits
	Added	Result	Result	Qualifier			%Rec	Limits	
Benzene	0.100	0.09665			mg/Kg		97	70 - 130	
Toluene	0.100	0.09577			mg/Kg		96	70 - 130	
Ethylbenzene	0.100	0.1100			mg/Kg		110	70 - 130	
m,p-Xylenes	0.200	0.2157			mg/Kg		108	70 - 130	
o-Xylene	0.100	0.1064			mg/Kg		106	70 - 130	
Surrogate	LCS		LCS				%Rec		Limits
	%Recovery	Qualifier		Limits			%Rec	Limits	
4-Bromofluorobenzene (Surr)	113			70 - 130					
1,4-Difluorobenzene (Surr)	91			70 - 130					

Lab Sample ID: LCSD 880-116368/2-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116441

Prep Batch: 116368

Analyte	Spike		LCSD		Unit	D	%Rec		RPD	Limit
	Added	Result	Result	Qualifier			%Rec	Limits		
Benzene	0.100	0.1014			mg/Kg		101	70 - 130	5	35
Toluene	0.100	0.09630			mg/Kg		96	70 - 130	1	35
Ethylbenzene	0.100	0.1099			mg/Kg		110	70 - 130	0	35
m,p-Xylenes	0.200	0.2138			mg/Kg		107	70 - 130	1	35
o-Xylene	0.100	0.1065			mg/Kg		106	70 - 130	0	35
Surrogate	LCSD		LCSD				%Rec		RPD	Limit
	%Recovery	Qualifier		Limits			%Rec	Limits		
4-Bromofluorobenzene (Surr)	110			70 - 130						
1,4-Difluorobenzene (Surr)	92			70 - 130						

Lab Sample ID: 880-61320-1 MS

Client Sample ID: CS-1 (Surface)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116441

Prep Batch: 116368

Analyte	Sample		Spike		MS	MS	Unit	D	%Rec	
	Result	Qualifier	Added	Result	Qualifier	%Rec	Limits			
Benzene	<0.00200	U	0.100	0.09630			mg/Kg		96	70 - 130
Toluene	<0.00200	U	0.100	0.08928			mg/Kg		89	70 - 130

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## QC Sample Results

Client: Carmona Resources

Job ID: 880-61320-1

Project/Site: Myox 21 State Com 9H-Flare Fire - 2.28.24

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-61320-1 MS

Client Sample ID: CS-1 (Surface)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116441

Prep Batch: 116368

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
Ethylbenzene	<0.00200	U	0.100	0.09947		mg/Kg		99	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1935		mg/Kg		97	70 - 130
o-Xylene	<0.00200	U	0.100	0.09677		mg/Kg		97	70 - 130

MS MS

Surrogate %Recovery Qualifier Limits

4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-61320-1 MSD

Client Sample ID: CS-1 (Surface)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116441

Prep Batch: 116368

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
Benzene	<0.00200	U	0.100	0.09345		mg/Kg		93	70 - 130
Toluene	<0.00200	U	0.100	0.08986		mg/Kg		90	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09950		mg/Kg		99	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1940		mg/Kg		97	70 - 130
o-Xylene	<0.00200	U	0.100	0.09591		mg/Kg		96	70 - 130

MSD MSD

Surrogate %Recovery Qualifier Limits

4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

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

Lab Sample ID: MB 880-116344/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116387

Prep Batch: 116344

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/25 11:28	08/11/25 09:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 11:28	08/11/25 09:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 11:28	08/11/25 09:30	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	109		70 - 130	08/11/25 11:28	08/11/25 09:30	1
o-Terphenyl (Surr)	105		70 - 130	08/11/25 11:28	08/11/25 09:30	1

Lab Sample ID: LCS 880-116344/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116387

Prep Batch: 116344

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	893.7		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	825.3		mg/Kg		83	70 - 130

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## QC Sample Results

Client: Carmona Resources

Job ID: 880-61320-1

Project/Site: Myox 21 State Com 9H-Flare Fire - 2.28.24

SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-116344/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116387

Prep Batch: 116344

Surrogate	LCS	LCS	
	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	97		70 - 130
<i>o</i> -Terphenyl (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-116344/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116387

Prep Batch: 116344

Analyte		Spike	LCSD	LCSD			%Rec	RPD
		Added	Result	Qualifier	Unit	D	Limits	Limit
Gasoline Range Organics (GRO)-C6-C10		1000	905.9		mg/Kg	91	70 - 130	1
Diesel Range Organics (Over C10-C28)		1000	829.5		mg/Kg	83	70 - 130	1
Surrogate		LCSD	LCSD					
		%Recovery	Qualifier	Limits				
1-Chlorooctane (Surr)		100		70 - 130				
<i>o</i> -Terphenyl (Surr)		101		70 - 130				

Lab Sample ID: 880-61318-A-7-C MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116387

Prep Batch: 116344

Analyte	Sample	Sample	Spike	MS	MS		%Rec	
	Result	Qualifier	Added	Result	Qualifier	Unit	D	Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	998	849.8		mg/Kg	85	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U	998	783.3		mg/Kg	78	70 - 130
Surrogate		MS	MS					
	%Recovery	Qualifier	Limits					
1-Chlorooctane (Surr)	82		70 - 130					
<i>o</i> -Terphenyl (Surr)	78		70 - 130					

Lab Sample ID: 880-61318-A-7-D MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116387

Prep Batch: 116344

Analyte	Sample	Sample	Spike	MSD	MSD		%Rec	
	Result	Qualifier	Added	Result	Qualifier	Unit	D	Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	998	837.5		mg/Kg	84	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U	998	759.9		mg/Kg	76	70 - 130
Surrogate		MSD	MSD					
	%Recovery	Qualifier	Limits					
1-Chlorooctane (Surr)	98		70 - 130					
<i>o</i> -Terphenyl (Surr)	77		70 - 130					

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## QC Sample Results

Client: Carmona Resources

Job ID: 880-61320-1

Project/Site: Myox 21 State Com 9H-Flare Fire - 2.28.24

SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-116417/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116606

Prep Batch: 116417

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier					Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/25 14:45	08/13/25 08:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 14:45	08/13/25 08:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 14:45	08/13/25 08:49	1
Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane (Surr)	136	S1+	70 - 130	08/11/25 14:45	08/13/25 08:49	1			
o-Terphenyl (Surr)	149	S1+	70 - 130	08/11/25 14:45	08/13/25 08:49	1			

Lab Sample ID: LCS 880-116417/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116606

Prep Batch: 116417

Analyte	MB	MB	Spike Added	LCS Result	LCS Qualifier	Unit	D	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10			1000	722.2		mg/Kg		72	70 - 130	
Diesel Range Organics (Over C10-C28)			1000	932.4		mg/Kg		93	70 - 130	
Surrogate	MB	MB	Spike Added	LCS Result	LCS Qualifier	Unit	D	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						%Rec	Limits	
1-Chlorooctane (Surr)	120			70 - 130						
o-Terphenyl (Surr)	125			70 - 130						

Lab Sample ID: LCSD 880-116417/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116606

Prep Batch: 116417

Analyte	MB	MB	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	Prepared	Analyzed	RPD
	%Recovery	Qualifier						%Rec	Limits	RPD
Gasoline Range Organics (GRO)-C6-C10			1000	761.8		mg/Kg		76	70 - 130	5
Diesel Range Organics (Over C10-C28)			1000	967.0		mg/Kg		97	70 - 130	4
Surrogate	MB	MB	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	Prepared	Analyzed	RPD
	%Recovery	Qualifier						%Rec	Limits	RPD
1-Chlorooctane (Surr)	126			70 - 130						
o-Terphenyl (Surr)	127			70 - 130						

Lab Sample ID: 880-61320-6 MS

Client Sample ID: SW-3 (Surface)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116606

Prep Batch: 116417

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	Prepared	Analyzed	%Rec
	Result	Qualifier						%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	996	739.8		mg/Kg		72	70 - 130	
Diesel Range Organics (Over C10-C28)	75.5		996	915.7		mg/Kg		84	70 - 130	

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## QC Sample Results

Client: Carmona Resources

Job ID: 880-61320-1

Project/Site: Myox 21 State Com 9H-Flare Fire - 2.28.24

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-61320-6 MS

Client Sample ID: SW-3 (Surface)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116606

Prep Batch: 116417

Surrogate	MS	MS	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	99				70 - 130
o-Terphenyl (Surr)	92				70 - 130

Lab Sample ID: 880-61320-6 MSD

Client Sample ID: SW-3 (Surface)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116606

Prep Batch: 116417

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier		Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	996	699.8	F1	mg/Kg		68	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	75.5		996	906.9		mg/Kg		83	70 - 130	1	20

Surrogate	MSD	MSD	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	97				70 - 130
o-Terphenyl (Surr)	92				70 - 130

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-116421/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 116496

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride			<10.0	U		10.0	mg/Kg			08/12/25 16:02	1

Lab Sample ID: LCS 880-116421/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 116496

Analyte	Spike	LCS	LCS	%Rec
	Added	Result	Qualifier	Limits
Chloride	250	231.2		mg/Kg

Lab Sample ID: LCSD 880-116421/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 116496

Analyte	Spike	LCSD	LCSD	%Rec
	Added	Result	Qualifier	Limits
Chloride	250	231.8		mg/Kg

Lab Sample ID: 880-61319-A-1-E MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 116496

Analyte	Sample	Sample	Spike	MS	MS	%Rec
	Result	Qualifier	Added	Result	Qualifier	Limits
Chloride	<10.0	U	251	240.8		mg/Kg

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## QC Sample Results

Client: Carmona Resources

Job ID: 880-61320-1

Project/Site: Myox 21 State Com 9H-Flare Fire - 2.28.24

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-61319-A-1-F MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 116496

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		
Chloride	<10.0	U	251	241.2		mg/Kg	95	90 - 110	0	20	

**QC Association Summary**

Client: Carmona Resources

Job ID: 880-61320-1

Project/Site: Myox 21 State Com 9H-Flare Fire - 2.28.24

SDG: Eddy County, New Mexico

**GC VOA****Prep Batch: 116368**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61320-1	CS-1 (Surface)	Total/NA	Solid	5035	
880-61320-2	CS-2 (Surface)	Total/NA	Solid	5035	
880-61320-3	CS-3 (Surface)	Total/NA	Solid	5035	
880-61320-4	SW-1 (Surface)	Total/NA	Solid	5035	
880-61320-5	SW-2 (Surface)	Total/NA	Solid	5035	
880-61320-6	SW-3 (Surface)	Total/NA	Solid	5035	
880-61320-7	SW-4 (Surface)	Total/NA	Solid	5035	
MB 880-116368/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-116368/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-116368/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-61320-1 MS	CS-1 (Surface)	Total/NA	Solid	5035	
880-61320-1 MSD	CS-1 (Surface)	Total/NA	Solid	5035	

**Analysis Batch: 116441**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61320-1	CS-1 (Surface)	Total/NA	Solid	8021B	116368
880-61320-2	CS-2 (Surface)	Total/NA	Solid	8021B	116368
880-61320-3	CS-3 (Surface)	Total/NA	Solid	8021B	116368
880-61320-4	SW-1 (Surface)	Total/NA	Solid	8021B	116368
880-61320-5	SW-2 (Surface)	Total/NA	Solid	8021B	116368
880-61320-6	SW-3 (Surface)	Total/NA	Solid	8021B	116368
880-61320-7	SW-4 (Surface)	Total/NA	Solid	8021B	116368
MB 880-116368/5-A	Method Blank	Total/NA	Solid	8021B	116368
LCS 880-116368/1-A	Lab Control Sample	Total/NA	Solid	8021B	116368
LCSD 880-116368/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	116368
880-61320-1 MS	CS-1 (Surface)	Total/NA	Solid	8021B	116368
880-61320-1 MSD	CS-1 (Surface)	Total/NA	Solid	8021B	116368

**Analysis Batch: 116559**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61320-1	CS-1 (Surface)	Total/NA	Solid	Total BTEX	
880-61320-2	CS-2 (Surface)	Total/NA	Solid	Total BTEX	
880-61320-3	CS-3 (Surface)	Total/NA	Solid	Total BTEX	
880-61320-4	SW-1 (Surface)	Total/NA	Solid	Total BTEX	
880-61320-5	SW-2 (Surface)	Total/NA	Solid	Total BTEX	
880-61320-6	SW-3 (Surface)	Total/NA	Solid	Total BTEX	
880-61320-7	SW-4 (Surface)	Total/NA	Solid	Total BTEX	

**GC Semi VOA****Prep Batch: 116344**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61320-1	CS-1 (Surface)	Total/NA	Solid	8015NM Prep	
880-61320-2	CS-2 (Surface)	Total/NA	Solid	8015NM Prep	
880-61320-3	CS-3 (Surface)	Total/NA	Solid	8015NM Prep	
880-61320-4	SW-1 (Surface)	Total/NA	Solid	8015NM Prep	
880-61320-5	SW-2 (Surface)	Total/NA	Solid	8015NM Prep	
MB 880-116344/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-116344/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-116344/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-61318-A-7-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	

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## QC Association Summary

Client: Carmona Resources

Job ID: 880-61320-1

Project/Site: Myox 21 State Com 9H-Flare Fire - 2.28.24

SDG: Eddy County, New Mexico

## GC Semi VOA (Continued)

## Prep Batch: 116344 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61318-A-7-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 116387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61320-1	CS-1 (Surface)	Total/NA	Solid	8015B NM	116344
880-61320-2	CS-2 (Surface)	Total/NA	Solid	8015B NM	116344
880-61320-3	CS-3 (Surface)	Total/NA	Solid	8015B NM	116344
880-61320-4	SW-1 (Surface)	Total/NA	Solid	8015B NM	116344
880-61320-5	SW-2 (Surface)	Total/NA	Solid	8015B NM	116344
MB 880-116344/1-A	Method Blank	Total/NA	Solid	8015B NM	116344
LCS 880-116344/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	116344
LCSD 880-116344/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	116344
880-61318-A-7-C MS	Matrix Spike	Total/NA	Solid	8015B NM	116344
880-61318-A-7-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	116344

## Prep Batch: 116417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61320-6	SW-3 (Surface)	Total/NA	Solid	8015NM Prep	
880-61320-7	SW-4 (Surface)	Total/NA	Solid	8015NM Prep	
MB 880-116417/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-116417/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-116417/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-61320-6 MS	SW-3 (Surface)	Total/NA	Solid	8015NM Prep	
880-61320-6 MSD	SW-3 (Surface)	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 116470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61320-1	CS-1 (Surface)	Total/NA	Solid	8015 NM	
880-61320-2	CS-2 (Surface)	Total/NA	Solid	8015 NM	
880-61320-3	CS-3 (Surface)	Total/NA	Solid	8015 NM	
880-61320-4	SW-1 (Surface)	Total/NA	Solid	8015 NM	
880-61320-5	SW-2 (Surface)	Total/NA	Solid	8015 NM	
880-61320-6	SW-3 (Surface)	Total/NA	Solid	8015 NM	
880-61320-7	SW-4 (Surface)	Total/NA	Solid	8015 NM	

## Analysis Batch: 116606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61320-6	SW-3 (Surface)	Total/NA	Solid	8015B NM	116417
880-61320-7	SW-4 (Surface)	Total/NA	Solid	8015B NM	116417
MB 880-116417/1-A	Method Blank	Total/NA	Solid	8015B NM	116417
LCS 880-116417/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	116417
LCSD 880-116417/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	116417
880-61320-6 MS	SW-3 (Surface)	Total/NA	Solid	8015B NM	116417
880-61320-6 MSD	SW-3 (Surface)	Total/NA	Solid	8015B NM	116417

## HPLC/IC

## Leach Batch: 116421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61320-1	CS-1 (Surface)	Soluble	Solid	DI Leach	
880-61320-2	CS-2 (Surface)	Soluble	Solid	DI Leach	

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**QC Association Summary**

Client: Carmona Resources

Job ID: 880-61320-1

Project/Site: Myox 21 State Com 9H-Flare Fire - 2.28.24

SDG: Eddy County, New Mexico

**HPLC/IC (Continued)****Leach Batch: 116421 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61320-3	CS-3 (Surface)	Soluble	Solid	DI Leach	
880-61320-4	SW-1 (Surface)	Soluble	Solid	DI Leach	
880-61320-5	SW-2 (Surface)	Soluble	Solid	DI Leach	
880-61320-6	SW-3 (Surface)	Soluble	Solid	DI Leach	
880-61320-7	SW-4 (Surface)	Soluble	Solid	DI Leach	
MB 880-116421/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-116421/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-116421/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-61319-A-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-61319-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

**Analysis Batch: 116496**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61320-1	CS-1 (Surface)	Soluble	Solid	300.0	116421
880-61320-2	CS-2 (Surface)	Soluble	Solid	300.0	116421
880-61320-3	CS-3 (Surface)	Soluble	Solid	300.0	116421
880-61320-4	SW-1 (Surface)	Soluble	Solid	300.0	116421
880-61320-5	SW-2 (Surface)	Soluble	Solid	300.0	116421
880-61320-6	SW-3 (Surface)	Soluble	Solid	300.0	116421
880-61320-7	SW-4 (Surface)	Soluble	Solid	300.0	116421
MB 880-116421/1-A	Method Blank	Soluble	Solid	300.0	116421
LCS 880-116421/2-A	Lab Control Sample	Soluble	Solid	300.0	116421
LCSD 880-116421/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	116421
880-61319-A-1-E MS	Matrix Spike	Soluble	Solid	300.0	116421
880-61319-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	116421

## Lab Chronicle

Client: Carmona Resources  
 Project/Site: Myox 21 State Com 9H-Flare Fire - 2.28.24

Job ID: 880-61320-1  
 SDG: Eddy County, New Mexico

## Client Sample ID: CS-1 (Surface)

Lab Sample ID: 880-61320-1

Matrix: Solid

Date Collected: 08/06/25 00:00

Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	116368	08/11/25 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116441	08/12/25 11:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116559	08/12/25 11:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116470	08/11/25 17:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116344	08/11/25 11:28	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116387	08/11/25 17:32	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	116421	08/11/25 15:27	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	116496	08/12/25 16:46	CS	EET MID

## Client Sample ID: CS-2 (Surface)

Lab Sample ID: 880-61320-2

Matrix: Solid

Date Collected: 08/06/25 00:00

Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	116368	08/11/25 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116441	08/12/25 12:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116559	08/12/25 12:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116470	08/11/25 17:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	116344	08/11/25 11:28	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116387	08/11/25 17:48	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	116421	08/11/25 15:27	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	116496	08/12/25 16:53	CS	EET MID

## Client Sample ID: CS-3 (Surface)

Lab Sample ID: 880-61320-3

Matrix: Solid

Date Collected: 08/06/25 00:00

Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	116368	08/11/25 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116441	08/12/25 12:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116559	08/12/25 12:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116470	08/11/25 18:03	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	116344	08/11/25 11:28	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116387	08/11/25 18:03	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	116421	08/11/25 15:27	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	116496	08/12/25 17:01	CS	EET MID

## Client Sample ID: SW-1 (Surface)

Lab Sample ID: 880-61320-4

Matrix: Solid

Date Collected: 08/06/25 00:00

Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	116368	08/11/25 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116441	08/12/25 12:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116559	08/12/25 12:50	AJ	EET MID

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## Lab Chronicle

Client: Carmona Resources  
 Project/Site: Myox 21 State Com 9H-Flare Fire - 2.28.24

Job ID: 880-61320-1  
 SDG: Eddy County, New Mexico

## Client Sample ID: SW-1 (Surface)

Lab Sample ID: 880-61320-4

Matrix: Solid

Date Collected: 08/06/25 00:00  
 Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			116470	08/11/25 18:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	116344	08/11/25 11:28	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116387	08/11/25 18:20	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	116421	08/11/25 15:27	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	116496	08/12/25 17:08	CS	EET MID

## Client Sample ID: SW-2 (Surface)

Lab Sample ID: 880-61320-5

Matrix: Solid

Date Collected: 08/06/25 00:00  
 Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	116368	08/11/25 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116441	08/12/25 13:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116559	08/12/25 13:10	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116470	08/11/25 18:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	116344	08/11/25 11:28	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116387	08/11/25 18:36	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	116421	08/11/25 15:27	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	116496	08/12/25 17:30	CS	EET MID

## Client Sample ID: SW-3 (Surface)

Lab Sample ID: 880-61320-6

Matrix: Solid

Date Collected: 08/06/25 00:00  
 Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	116368	08/11/25 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116441	08/12/25 13:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116559	08/12/25 13:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116470	08/13/25 11:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	116417	08/11/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 11:24	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	116421	08/11/25 15:27	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	116496	08/12/25 17:37	CS	EET MID

## Client Sample ID: SW-4 (Surface)

Lab Sample ID: 880-61320-7

Matrix: Solid

Date Collected: 08/06/25 00:00  
 Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	116368	08/11/25 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116441	08/12/25 13:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116559	08/12/25 13:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			116470	08/13/25 12:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	116417	08/11/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 12:26	SA	EET MID

Eurofins Midland

**Lab Chronicle**

Client: Carmona Resources

Job ID: 880-61320-1

Project/Site: Myox 21 State Com 9H-Flare Fire - 2.28.24

SDG: Eddy County, New Mexico

**Client Sample ID: SW-4 (Surface)****Lab Sample ID: 880-61320-7**

Date Collected: 08/06/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	116421	08/11/25 15:27	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	116496	08/12/25 17:45	CS	EET MID

**Laboratory References:**

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

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Eurofins Midland

## Accreditation/Certification Summary

Client: Carmona Resources

Job ID: 880-61320-1

Project/Site: Myox 21 State Com 9H-Flare Fire - 2.28.24

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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Eurofins Midland

## Method Summary

Client: Carmona Resources

Job ID: 880-61320-1

Project/Site: Myox 21 State Com 9H-Flare Fire - 2.28.24

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

Eurofins Midland

## Sample Summary

Client: Carmona Resources

Project/Site: Myox 21 State Com 9H-Flare Fire - 2.28.24

Job ID: 880-61320-1

SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-61320-1	CS-1 (Surface)	Solid	08/06/25 00:00	08/11/25 10:30	New Mexico
880-61320-2	CS-2 (Surface)	Solid	08/06/25 00:00	08/11/25 10:30	New Mexico
880-61320-3	CS-3 (Surface)	Solid	08/06/25 00:00	08/11/25 10:30	New Mexico
880-61320-4	SW-1 (Surface)	Solid	08/06/25 00:00	08/11/25 10:30	New Mexico
880-61320-5	SW-2 (Surface)	Solid	08/06/25 00:00	08/11/25 10:30	New Mexico
880-61320-6	SW-3 (Surface)	Solid	08/06/25 00:00	08/11/25 10:30	New Mexico
880-61320-7	SW-4 (Surface)	Solid	08/06/25 00:00	08/11/25 10:30	New Mexico

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Eurofins Midland

## Chain of Custody



880-61320 Chain of Custody

Project Manager:		Conner Moehring		Bill to: (if different)		Carmona Resources		Work Order Comments	
Company Name:		Carmona Resources		Company Name:					
Address:		310 W Wall St Site 500		Address:					
City, State ZIP:		Midland, TX 79701		City, State ZIP:					
Phone:		432-813-6823		Email:		mcarmona@carmonaresources.com			
<b>ANALYSIS REQUEST</b>									
Turn Around									
Project Name:	Myox 21 State Com 9H - Flare Fire - 2.28.24		□ Routine	☒ Rush	Pres. Code				
Project Number:	2331		Due Date:	72 HR					
Project Location	Eddy County, New Mexico								
Sampler's Name:	CRM								
PO #:									
Parameters									
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Received Intact:	Yes <input checked="" type="checkbox"/>		No <input type="checkbox"/>	Thermometer ID:	12-1				
Cooler/Custody Seals:	Yes <input checked="" type="checkbox"/>		No <input type="checkbox"/>	Correction Factor:	-1				
Sample/Custody Seals:	Yes <input checked="" type="checkbox"/>		No <input type="checkbox"/>	Temperature Reading:	-44.0				
Total Containers:				Corrected Temperature:	-44.0				
Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Sample Comments		
CS-1 (Surface)	8/6/2025		X		C	1	☒	☒	☒
CS-2 (Surface)	8/6/2025		X		C	1	☒	☒	☒
CS-3 (Surface)	8/6/2025		X		C	1	☒	☒	☒
SW-1 (Surface)	8/6/2025		X		C	1	☒	☒	☒
SW-2 (Surface)	8/6/2025		X		C	1	☒	☒	☒
SW-3 (Surface)	8/6/2025		X		C	1	☒	☒	☒
SW-4 (Surface)	8/6/2025		X		C	1	☒	☒	☒

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	8/11/25 07:00		8/11/25 08:30

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## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-61320-1

SDG Number: Eddy County, New Mexico

**Login Number: 61320****List Source: Eurofins Midland****List Number: 1****Creator: Vasquez, Julisa**

Question	Answer	Comment	
The cooler's custody seal, if present, is intact.	N/A		1
Sample custody seals, if present, are intact.	N/A		2
The cooler or samples do not appear to have been compromised or tampered with.	True		3
Samples were received on ice.	True		4
Cooler Temperature is acceptable.	True		5
Cooler Temperature is recorded.	True		6
COC is present.	True		7
COC is filled out in ink and legible.	True		8
COC is filled out with all pertinent information.	True		9
Is the Field Sampler's name present on COC?	True		10
There are no discrepancies between the containers received and the COC.	True		11
Samples are received within Holding Time (excluding tests with immediate HTs)	True		12
Sample containers have legible labels.	True		13
Containers are not broken or leaking.	True		14
Sample collection date/times are provided.	True		
Appropriate sample containers are used.	True		
Sample bottles are completely filled.	True		
Sample Preservation Verified.	N/A		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A		



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 8/12/2025 10:29:54 AM

## JOB DESCRIPTION

Myox 21 State 9H  
Eddy County, New Mexico

## JOB NUMBER

880-61315-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

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

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

## Authorization



Generated  
8/12/2025 10:29:54 AM

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

Client: Carmona Resources  
 Project/Site: Myox 21 State 9H

Laboratory Job ID: 880-61315-1  
 SDG: Eddy County, New Mexico

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## Definitions/Glossary

Client: Carmona Resources  
Project/Site: Myox 21 State 9H

Job ID: 880-61315-1  
SDG: Eddy County, New Mexico

### Qualifiers

#### GC VOA

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

#### GC Semi VOA

Qualifier	Qualifier Description
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: Myox 21 State 9H

Job ID: 880-61315-1

**Job ID: 880-61315-1****Eurofins Midland****Job Narrative  
880-61315-1**

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 8/11/2025 10:30 AM. 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 -4.7°C.

**GC VOA**

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

**Diesel Range Organics**

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: Myox 21 State 9H

Job ID: 880-61315-1  
 SDG: Eddy County, New Mexico

**Client Sample ID: backfill**  
 Date Collected: 08/07/25 00:00  
 Date Received: 08/11/25 10:30

**Lab Sample ID: 880-61315-1**  
 Matrix: Solid

**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		08/11/25 11:39	08/12/25 04:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/25 11:39	08/12/25 04:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/25 11:39	08/12/25 04:59	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		08/11/25 11:39	08/12/25 04:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/25 11:39	08/12/25 04:59	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/11/25 11:39	08/12/25 04:59	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)	109		70 - 130				08/11/25 11:39	08/12/25 04:59	1
1,4-Difluorobenzene (Surr)	89		70 - 130				08/11/25 11:39	08/12/25 04:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/12/25 04:59	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			08/11/25 13:49	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		08/11/25 11:24	08/11/25 13:49	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/11/25 11:24	08/11/25 13:49	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/11/25 11:24	08/11/25 13:49	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)	106		70 - 130				08/11/25 11:24	08/11/25 13:49	1
o-Terphenyl (Surr)	105		70 - 130				08/11/25 11:24	08/11/25 13:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/11/25 19:20	1

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## Surrogate Summary

Client: Carmona Resources  
 Project/Site: Myox 21 State 9H

Job ID: 880-61315-1  
 SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)									
880-61315-1	backfill	109	89									
880-61318-A-1-C MS	Matrix Spike	110	95									
880-61318-A-1-D MSD	Matrix Spike Duplicate	117	92									
LCS 880-116346/1-A	Lab Control Sample	115	92									
LCSD 880-116346/2-A	Lab Control Sample Dup	115	96									
MB 880-116320/5-A	Method Blank	113	82									
MB 880-116346/5-A	Method Blank	108	88									

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)									
880-61315-1	backfill	106	105									
880-61315-1 MS	backfill	99	107									
880-61315-1 MSD	backfill	99	107									
LCS 880-116343/2-A	Lab Control Sample	102	112									
LCSD 880-116343/3-A	Lab Control Sample Dup	101	112									
MB 880-116343/1-A	Method Blank	110	110									

## Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

## QC Sample Results

Client: Carmona Resources  
Project/Site: Myox 21 State 9HJob ID: 880-61315-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-116320/5-A

Matrix: Solid

Analysis Batch: 116315

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116320

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/25 09:15	08/11/25 11:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/25 09:15	08/11/25 11:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/25 09:15	08/11/25 11:39	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/11/25 09:15	08/11/25 11:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/25 09:15	08/11/25 11:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/25 09:15	08/11/25 11:39	1
Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	113		70 - 130	08/11/25 09:15	08/11/25 11:39	1			
1,4-Difluorobenzene (Surr)	82		70 - 130	08/11/25 09:15	08/11/25 11:39	1			

Lab Sample ID: MB 880-116346/5-A

Matrix: Solid

Analysis Batch: 116315

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116346

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/25 11:39	08/11/25 22:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/25 11:39	08/11/25 22:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/25 11:39	08/11/25 22:37	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/11/25 11:39	08/11/25 22:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/25 11:39	08/11/25 22:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/25 11:39	08/11/25 22:37	1
Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	108		70 - 130	08/11/25 11:39	08/11/25 22:37	1			
1,4-Difluorobenzene (Surr)	88		70 - 130	08/11/25 11:39	08/11/25 22:37	1			

Lab Sample ID: LCS 880-116346/1-A

Matrix: Solid

Analysis Batch: 116315

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116346

Analyte	Spike		Result	LCS	LCS	Unit	D	%Rec	Limits
	Added								
Benzene	0.100		0.1058		mg/Kg		106	70 - 130	
Toluene	0.100		0.09668		mg/Kg		97	70 - 130	
Ethylbenzene	0.100		0.1094		mg/Kg		109	70 - 130	
m,p-Xylenes	0.200		0.2127		mg/Kg		106	70 - 130	
o-Xylene	0.100		0.1067		mg/Kg		107	70 - 130	
Surrogate	LCS		Result	LCS	LCS	Unit	D	%Rec	Limits
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	115		70 - 130						
1,4-Difluorobenzene (Surr)	92		70 - 130						

Lab Sample ID: LCSD 880-116346/2-A

Matrix: Solid

Analysis Batch: 116315

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116346

Analyte	Spike		Result	LCSD	LCSD	Unit	D	%Rec	Limits	RPD
	Added									
Benzene	0.100		0.1040		mg/Kg		104	70 - 130	2	35

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Myox 21 State 9H

Job ID: 880-61315-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-116346/2-A

Matrix: Solid

Analysis Batch: 116315

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116346

Analyte	Spike Added	LCSD		Unit	D	%Rec	Limits	RPD	RPD Limit
		Result	Qualifier						
Toluene	0.100	0.09885		mg/Kg		99	70 - 130	2	35
Ethylbenzene	0.100	0.1127		mg/Kg		113	70 - 130	3	35
m,p-Xylenes	0.200	0.2202		mg/Kg		110	70 - 130	3	35
o-Xylene	0.100	0.1109		mg/Kg		111	70 - 130	4	35

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

Lab Sample ID: 880-61318-A-1-C MS

Matrix: Solid

Analysis Batch: 116315

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 116346

Analyte	Sample		Spike		MS		MS		%Rec	Limits
	Result	Qualifier	Added		Result	Qualifier	Unit	D		
Benzene	<0.00200	U	0.100		0.09576		mg/Kg		96	70 - 130
Toluene	<0.00200	U	0.100		0.08498		mg/Kg		85	70 - 130
Ethylbenzene	<0.00200	U	0.100		0.09536		mg/Kg		95	70 - 130
m,p-Xylenes	<0.00399	U	0.200		0.1838		mg/Kg		92	70 - 130
o-Xylene	<0.00200	U	0.100		0.09141		mg/Kg		91	70 - 130

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

Lab Sample ID: 880-61318-A-1-D MSD

Matrix: Solid

Analysis Batch: 116315

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 116346

Analyte	Sample		Spike		MSD		MSD		%Rec	RPD
	Result	Qualifier	Added		Result	Qualifier	Unit	D		
Benzene	<0.00200	U	0.100		0.08732		mg/Kg		87	70 - 130
Toluene	<0.00200	U	0.100		0.07994		mg/Kg		80	70 - 130
Ethylbenzene	<0.00200	U	0.100		0.08838		mg/Kg		88	70 - 130
m,p-Xylenes	<0.00399	U	0.200		0.1713		mg/Kg		86	70 - 130
o-Xylene	<0.00200	U	0.100		0.08386		mg/Kg		84	70 - 130

Surrogate	MSD		MSD	
	%Recovery	Qualifier		Limits
4-Bromofluorobenzene (Surr)	117		70 - 130	
1,4-Difluorobenzene (Surr)	92		70 - 130	

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

Lab Sample ID: MB 880-116343/1-A

Matrix: Solid

Analysis Batch: 116383

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116343

Analyte	MB		MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier									
Gasoline Range Organics (GRO)-C6-C10	<50.0	U			50.0		mg/Kg		08/11/25 11:23	08/11/25 09:30	1

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Myox 21 State 9HJob ID: 880-61315-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-116343/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116383

Prep Batch: 116343

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
	Result	Qualifier								
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 11:23	08/11/25 09:30	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 11:23	08/11/25 09:30	1	
<b>MB MB</b>										
Surrogate	%Recovery		Qualifier	Limits		D	Prepared	Analyzed	Dil Fac	
	110			70 - 130			08/11/25 11:23	08/11/25 09:30		
1-Chlorooctane (Surr)	110			70 - 130			08/11/25 11:23	08/11/25 09:30		
o-Terphenyl (Surr)	110			70 - 130					1	

Lab Sample ID: LCS 880-116343/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116383

Prep Batch: 116343

Analyte	Spike		LCS Result	LCS Qualifier	Unit	D	%Rec	
	Added						%Rec	Limits
Gasoline Range Organics (GRO)-C6-C10	1000		955.6		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000		964.4		mg/Kg		96	70 - 130
<b>LCS LCS</b>								
Surrogate	%Recovery		Qualifier	Limits		D	%Rec	
	102			70 - 130				
1-Chlorooctane (Surr)	102			70 - 130				
o-Terphenyl (Surr)	112			70 - 130				

Lab Sample ID: LCSD 880-116343/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116383

Prep Batch: 116343

Analyte	Spike		LCSD Result	LCSD Qualifier	Unit	D	%Rec		RPD		
	Added						%Rec	Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000		980.1		mg/Kg		98	70 - 130	3		
Diesel Range Organics (Over C10-C28)	1000		996.8		mg/Kg		100	70 - 130	3		
<b>LCSD LCSD</b>											
Surrogate	%Recovery		Qualifier	Limits		D	%Rec		Limit		
	101			70 - 130							
1-Chlorooctane (Surr)	101			70 - 130							
o-Terphenyl (Surr)	112			70 - 130							

Lab Sample ID: 880-61315-1 MS

Client Sample ID: backfill

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116383

Prep Batch: 116343

Analyte	Sample		Spike	MS Result	MS Qualifier	Unit	D	%Rec			
	Result	Qualifier						%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	995	913.3		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.1	U	995	901.5		mg/Kg		91	70 - 130		
<b>MS MS</b>											
Surrogate	%Recovery		Qualifier	Limits		D	%Rec		Limit		
	99			70 - 130							
1-Chlorooctane (Surr)	99			70 - 130							
o-Terphenyl (Surr)	107			70 - 130							

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Myox 21 State 9HJob ID: 880-61315-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-61315-1 MSD Matrix: Solid Analysis Batch: 116383										Client Sample ID: backfill Prep Type: Total/NA Prep Batch: 116343			
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD	Limit	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	995	962.7		mg/Kg		97	70 - 130	5		20	
Diesel Range Organics (Over C10-C28)	<50.1	U	995	932.9		mg/Kg		94	70 - 130	3		20	
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits										
1-Chlorooctane (Surr)	99		70 - 130										
o-Terphenyl (Surr)	107		70 - 130										

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-116339/1-A Matrix: Solid Analysis Batch: 116345										Client Sample ID: Method Blank Prep Type: Soluble			
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac				
Chloride	<10.0	U	10.0		mg/Kg			08/11/25 18:07	1				

Lab Sample ID: LCS 880-116339/2-A Matrix: Solid Analysis Batch: 116345										Client Sample ID: Lab Control Sample Prep Type: Soluble			
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits						
Chloride	250	241.2		mg/Kg		96	90 - 110						

Lab Sample ID: LCSD 880-116339/3-A Matrix: Solid Analysis Batch: 116345										Client Sample ID: Lab Control Sample Dup Prep Type: Soluble			
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit				
Chloride	250	237.4		mg/Kg		95	90 - 110	2	20				

Lab Sample ID: 880-61317-A-3-B MS Matrix: Solid Analysis Batch: 116345										Client Sample ID: Matrix Spike Prep Type: Soluble			
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits	RPD	RPD	Limit	Limit
Chloride	<10.0	U	251	235.7		mg/Kg		92	90 - 110	2		20	

Lab Sample ID: 880-61317-A-3-C MSD Matrix: Solid Analysis Batch: 116345										Client Sample ID: Matrix Spike Duplicate Prep Type: Soluble			
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD	Limit	Limit
Chloride	<10.0	U	251	236.0		mg/Kg		93	90 - 110	0		20	

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Myox 21 State 9HJob ID: 880-61315-1  
SDG: Eddy County, New Mexico

## GC VOA

## Analysis Batch: 116315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61315-1	backfill	Total/NA	Solid	8021B	116346
MB 880-116320/5-A	Method Blank	Total/NA	Solid	8021B	116320
MB 880-116346/5-A	Method Blank	Total/NA	Solid	8021B	116346
LCS 880-116346/1-A	Lab Control Sample	Total/NA	Solid	8021B	116346
LCSD 880-116346/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	116346
880-61318-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	116346
880-61318-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	116346

## Prep Batch: 116320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-116320/5-A	Method Blank	Total/NA	Solid	5035	9

## Prep Batch: 116346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61315-1	backfill	Total/NA	Solid	5035	11
MB 880-116346/5-A	Method Blank	Total/NA	Solid	5035	12
LCS 880-116346/1-A	Lab Control Sample	Total/NA	Solid	5035	13
LCSD 880-116346/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	14
880-61318-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-61318-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 116475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61315-1	backfill	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 116343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61315-1	backfill	Total/NA	Solid	8015NM Prep	
MB 880-116343/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-116343/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-116343/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-61315-1 MS	backfill	Total/NA	Solid	8015NM Prep	
880-61315-1 MSD	backfill	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 116383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61315-1	backfill	Total/NA	Solid	8015B NM	116343
MB 880-116343/1-A	Method Blank	Total/NA	Solid	8015B NM	116343
LCS 880-116343/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	116343
LCSD 880-116343/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	116343
880-61315-1 MS	backfill	Total/NA	Solid	8015B NM	116343
880-61315-1 MSD	backfill	Total/NA	Solid	8015B NM	116343

## Analysis Batch: 116461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61315-1	backfill	Total/NA	Solid	8015 NM	

Eurofins Midland

**QC Association Summary**

Client: Carmona Resources  
 Project/Site: Myox 21 State 9H

Job ID: 880-61315-1  
 SDG: Eddy County, New Mexico

**HPLC/IC****Leach Batch: 116339**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61315-1	backfill	Soluble	Solid	DI Leach	
MB 880-116339/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-116339/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-116339/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-61317-A-3-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-61317-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

**Analysis Batch: 116345**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61315-1	backfill	Soluble	Solid	300.0	116339
MB 880-116339/1-A	Method Blank	Soluble	Solid	300.0	116339
LCS 880-116339/2-A	Lab Control Sample	Soluble	Solid	300.0	116339
LCSD 880-116339/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	116339
880-61317-A-3-B MS	Matrix Spike	Soluble	Solid	300.0	116339
880-61317-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	116339

**Lab Chronicle**

Client: Carmona Resources  
 Project/Site: Myox 21 State 9H

Job ID: 880-61315-1  
 SDG: Eddy County, New Mexico

**Client Sample ID: backfill**  
 Date Collected: 08/07/25 00:00  
 Date Received: 08/11/25 10:30

**Lab Sample ID: 880-61315-1**  
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	116346	08/11/25 11:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116315	08/12/25 04:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116475	08/12/25 04:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			116461	08/11/25 13:49	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	116343	08/11/25 11:24	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116383	08/11/25 13:49	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	116339	08/11/25 11:10	SI	EET MID
Soluble	Analysis	300.0		1			116345	08/11/25 19:20	CS	EET MID

**Laboratory References:**

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

Eurofins Midland

**Accreditation/Certification Summary**

Client: Carmona Resources  
Project/Site: Myox 21 State 9H

Job ID: 880-61315-1  
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

## Method Summary

Client: Carmona Resources  
Project/Site: Myox 21 State 9H

Job ID: 880-61315-1  
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

Eurofins Midland

## Sample Summary

Client: Carmona Resources  
Project/Site: Myox 21 State 9H

Job ID: 880-61315-1  
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-61315-1	backfill	Solid	08/07/25 00:00	08/11/25 10:30	New Mexico

1

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Eurofins Midland

## Chain of Custody



880-61315 Chain of Custody

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

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-61315-1

SDG Number: Eddy County, New Mexico

**Login Number: 61315****List Source: Eurofins Midland****List Number: 1****Creator: Vasquez, Julisa**

Question	Answer	Comment	
The cooler's custody seal, if present, is intact.	N/A		1
Sample custody seals, if present, are intact.	N/A		2
The cooler or samples do not appear to have been compromised or tampered with.	True		3
Samples were received on ice.	True		4
Cooler Temperature is acceptable.	True		5
Cooler Temperature is recorded.	True		6
COC is present.	True		7
COC is filled out in ink and legible.	True		8
COC is filled out with all pertinent information.	True		9
Is the Field Sampler's name present on COC?	True		10
There are no discrepancies between the containers received and the COC.	True		11
Samples are received within Holding Time (excluding tests with immediate HTs)	True		12
Sample containers have legible labels.	True		13
Containers are not broken or leaking.	True		14
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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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS

Action 523565

**QUESTIONS**

Operator:  COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 523565
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2406046944
Incident Name	NAPP2406046944 MYOX 21 STATE COM #009H @ M-21-25S-28E
Incident Type	Fire
Incident Status	Remediation Closure Report Received

**Location of Release Source**

*Please answer all the questions in this group.*

Site Name	MYOX 21 STATE COM #009H
Date Release Discovered	02/28/2024
Surface Owner	State

**Incident Details**

*Please answer all the questions in this group.*

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

**Nature and Volume of Release**

*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.*

Crude Oil Released (bbls) Details	Cause: Fire   Other (Specify)   Crude Oil   Released: 0 BBL   Recovered: 0 BBL   Lost: 0 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 523565

**QUESTIONS (continued)**

Operator:  COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:  229137
	Action Number:  523565
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.

*With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.*

<b>Initial Response</b>	
<i>The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.</i>	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

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

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 11/05/2025
--	---

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QUESTIONS, Page 3

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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Action 523565

**QUESTIONS (continued)**

Operator:  COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:  229137
	Action Number:  523565
	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	U.S. Geological Survey
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

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

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	43
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

*Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.*

On what estimated date will the remediation commence	08/06/2025
On what date will (or did) the final sampling or liner inspection occur	08/06/2025
On what date will (or was) the remediation complete(d)	08/06/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	500
What is the estimated volume (in cubic yards) that will be remediated	0

*These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.*

*The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.*

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QUESTIONS, Page 4

Action 523565

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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**QUESTIONS (continued)**

Operator:  COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 523565
	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	fAPP2129338656 MYOX 21 ST 9H BATTERY
OR which OCD approved well (API) will be used for <b>off-site</b> disposal	<i>Not answered.</i>
OR is the <b>off-site</b> disposal site, to be used, out-of-state	<i>Not answered.</i>
OR is the <b>off-site</b> disposal site, to be used, an NMED facility	<i>Not answered.</i>
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	<i>Not answered.</i>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	<i>Not answered.</i>

*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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 11/05/2025
--	---

*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 523565

**QUESTIONS (continued)**

Operator:  COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:  229137
	Action Number:  523565
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Deferral Requests Only**

*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.*

Requesting a deferral of the remediation closure due date with the approval of this submission	No
--	----

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Action 523565

**QUESTIONS (continued)**

Operator:  COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:  229137
	Action Number:  523565
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	490856
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/06/2025
What was the (estimated) number of samples that were to be gathered	6
What was the sampling surface area in square feet	500

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	500
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	NA

*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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 11/05/2025
--	---

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Action 523565

**QUESTIONS (continued)**

Operator:  COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:  229137
	Action Number:  523565
	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 523565

**CONDITIONS**

Operator:  COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 523565
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
scwells	None	11/20/2025