



SITE INFORMATION

Closure Report
Populus Federal 3H Flare Fire (12.08.25)
Incident ID: nAPP2534640862
Eddy County, New Mexico
Unit N Sec 20 T25S R27E
32.108362°, -104.214507°

Crude Oil Release
Point of Release: Flare Fire
Release Date: 12/08/2025
Volume Released: 1 Barrel of Crude Oil
Volume Recovered: 0 Barrels of Crude Oil

CARMONA RESOURCES



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

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



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March 6, 2026

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

Re: Closure Report
Populus Federal 3H Flare Fire (12.08.25)
Incident ID: nAPP2534640862
Concho Operating, LLC
Site Location: Unit N, S20, T25S, R27E
(Lat 32.108362°, Long -104.214507°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Populus Federal 3H Flare Fire (12.08.25). The site is located at 32.108362°, -104.214507° within Unit N, S20, T25S, R27E, 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 December 8, 2025, due to a flare fire. The incident released approximately one (1) barrel of crude oil with zero (0) barrels of crude oil recovered. The impacted area occurred on pad, as shown in Figure 3. The Notice of Release can be found in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.81 miles North of the release area in S20, T25S, R27E. The well was drilled in 2018 and has a reported depth to groundwater of 19.67 ft bgs (feet below ground surface). A copy of the associated Summary report is attached in Appendix D

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

Initial Assessment

On January 22, 2026, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of one (1) sample point (S-1) and four (4) horizontal sample points (H-1 through H-4) were installed to total depths ranging from surface to 4' bgs inside and surrounding the release



area to evaluate the vertical and horizontal extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

5.0 Remediation Activities

Carmona Resources personnel were on site to mark out the proposed excavation areas and collect confirmation samples. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on February 9, 2026, per Subsection D of 19.15.29.12 NMAC. See Appendix C for the sampling notification. The area of S-1 was excavated to a depth of 4' to ensure the removal of all impacted material. A total of five (5) confirmation floor samples were collected (CS-1 through CS-5), and seven (7) sidewall samples (SW-1 through SW-7) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

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

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

Approximately 79 cubic yards of material were excavated and transported off-site for proper disposal.

6.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

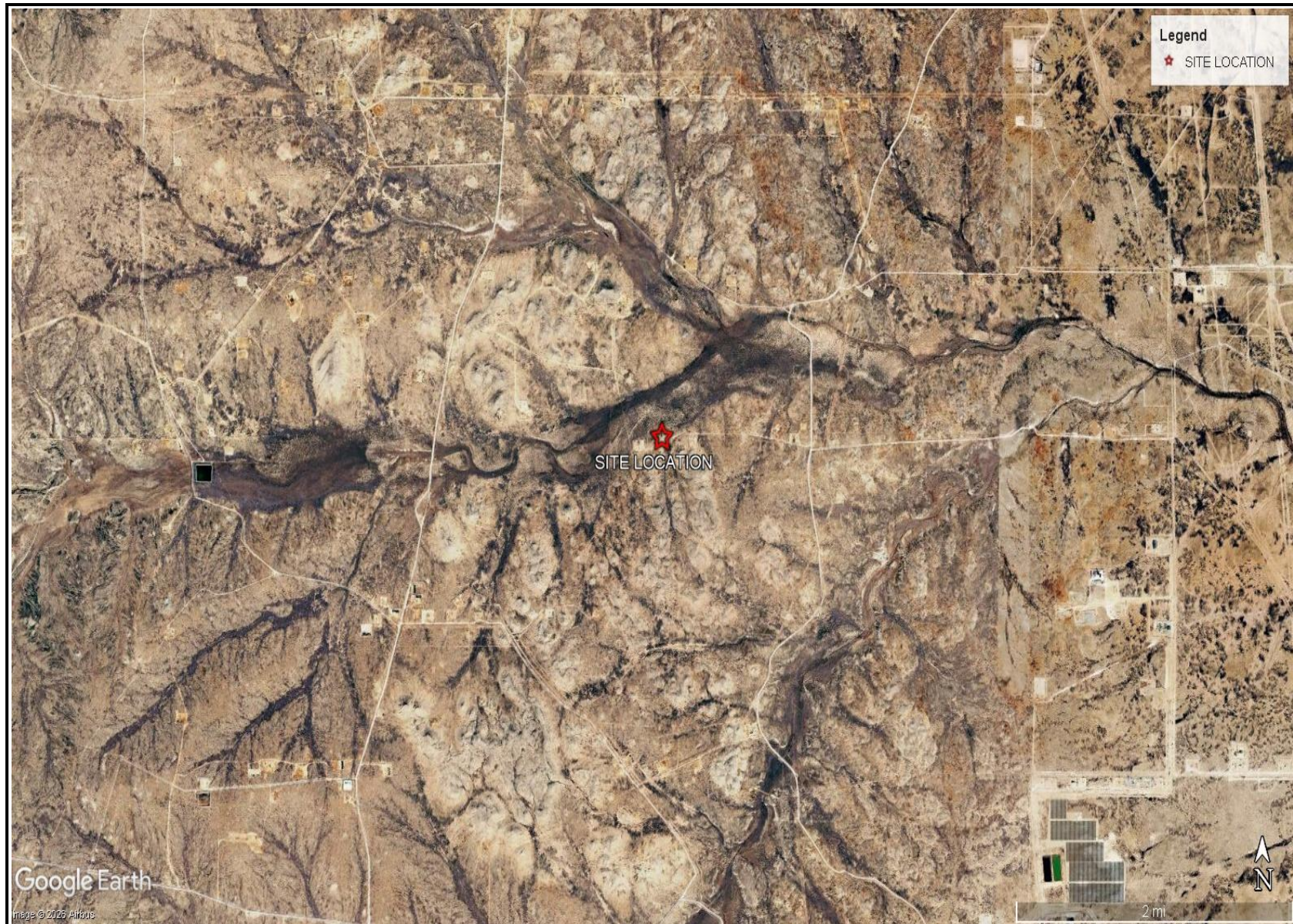
Conner Moehring
Environmental Manager

Ivan Ramos
Project Manager

FIGURES

CARMONA RESOURCES

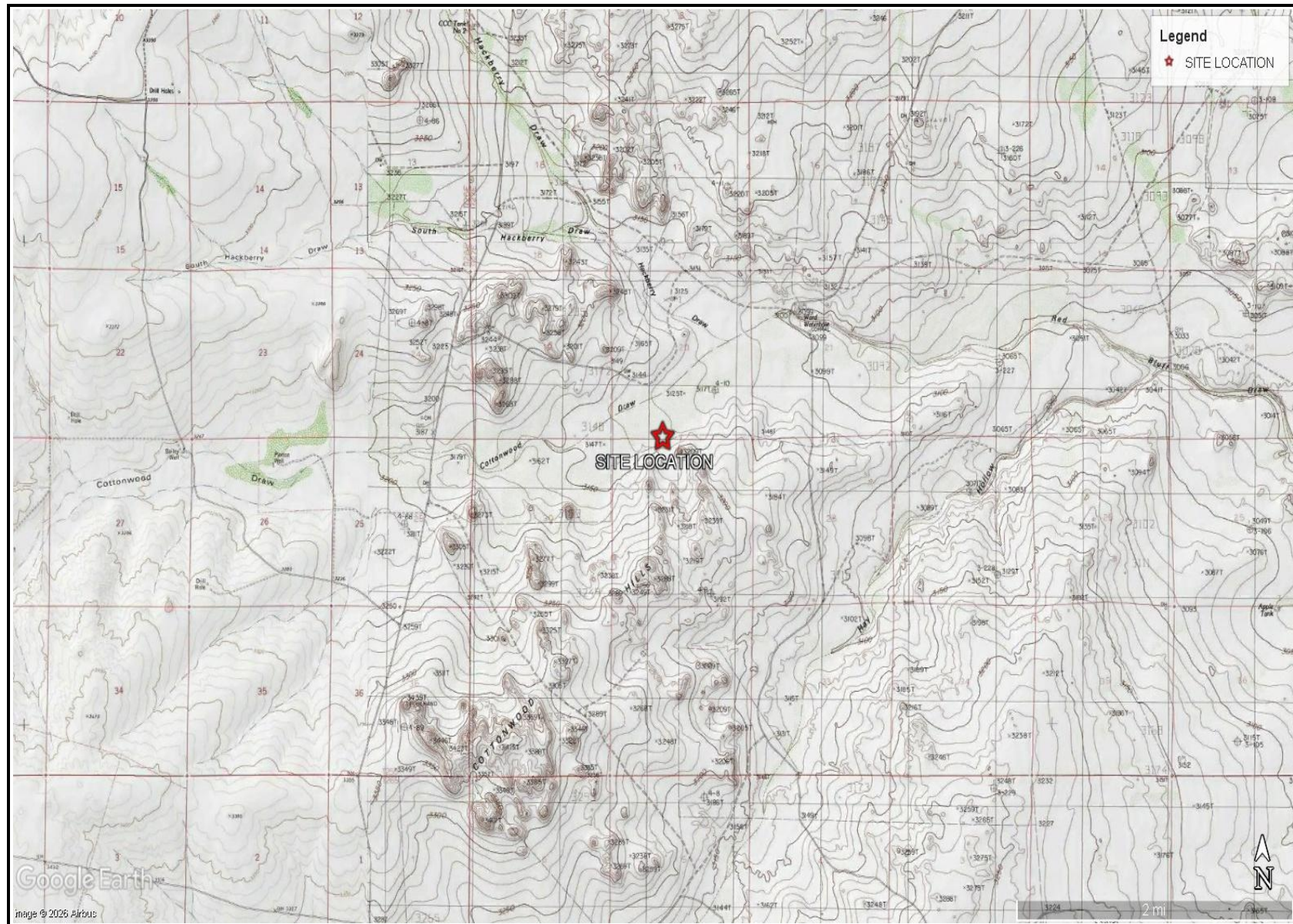




OVERVIEW MAP
COG OPERATING, LLC
POPULUS FEDERAL 3H FLARE FIRE (12.08.2025)
EDDY COUNTY, NEW MEXICO
32.108362°, -104.214507°



FIGURE 1

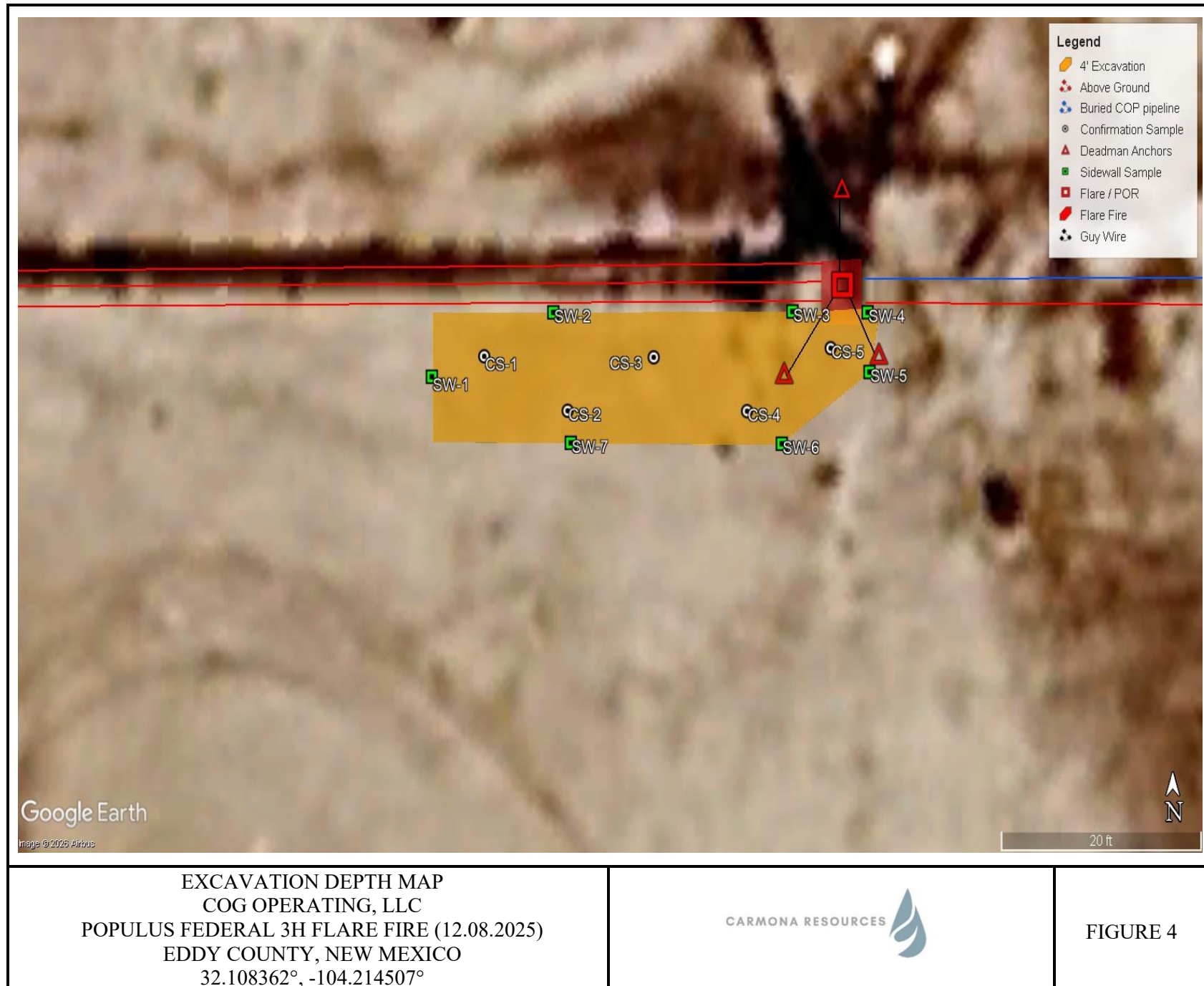


TOPOGRAPHIC MAP
 COG OPERATING, LLC
 POPULUS FEDERAL 3H FLARE FIRE (12.08.2025)
 EDDY COUNTY, NEW MEXICO
 32.108362°, -104.214507°



FIGURE 2





APPENDIX A

CARMONA RESOURCES



Table 1
Conoco Phillips
Populus Federal 3H Flare Fire (12.08.25)
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	1/22/2026	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	379
	"	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	752
	"	2'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,040
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,640
	"	4'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	392
H-1	1/22/2026	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<9.98
H-2	1/22/2026	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<10.0
H-3	1/22/2026	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.1
H-4	1/22/2026	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<10.1
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

(H) Horizontal Point

 Removed

Table 2
ConocoPhillips
Populus Federal 3H Flare Fire (12.08.2025)
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	2/11/2026	4'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	66.4
CS-2	2/11/2026	4'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	71.1
CS-3	2/11/2026	4'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	58.1
CS-4	2/11/2026	4'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	71.2
CS-5	2/11/2026	4'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<10.0
SW-1	2/11/2026	4'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	71.5
SW-2	2/11/2026	4'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	52.1
SW-3	2/11/2026	4'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	53.7
SW-4	2/11/2026	4'	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	77.9
SW-5	2/11/2026	4'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<9.98
SW-6	2/11/2026	4'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<10.0
SW-7	2/11/2026	4'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	13.2
Backfill	2/11/2026	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	11.9
Regulatory Criteria^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) - Confirmation Sample

(SW) - Sidewall Sample

APPENDIX B

CARMONA RESOURCES



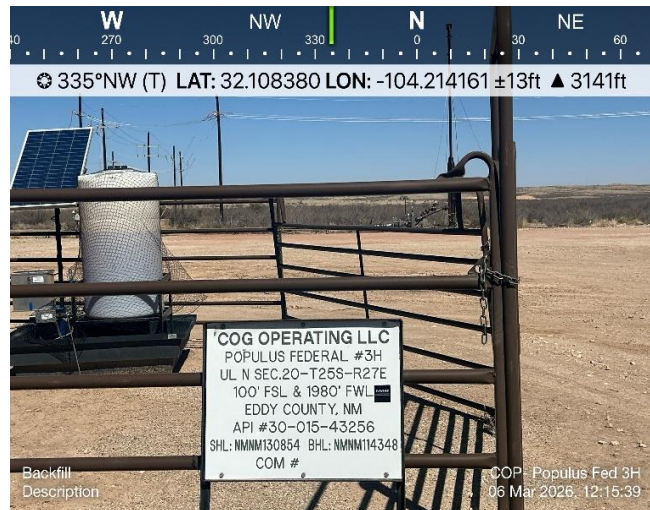
PHOTOGRAPHIC LOG**COG Operating, LLC****Photograph No. 1**

Facility: Populus Federal 3H Flare Fire
(12.08.25)

County: Eddy County, New Mexico

Description:

View Northwest of facility sign.

**Photograph No. 2**

Facility: Populus Federal 3H Flare Fire
(12.08.25)

County: Eddy County, New Mexico

Description:

View Northeast, area of CS-1 through CS-5.

**Photograph No. 3**

Facility: Populus Federal 3H Flare Fire
(12.08.25)

County: Eddy County, New Mexico

Description:

View East, area of CS-1 through CS-5.



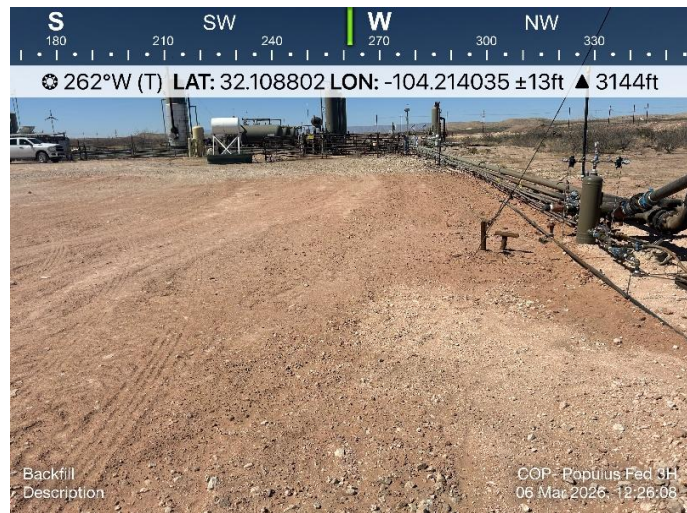
PHOTOGRAPHIC LOG**COG Operating, LLC****Photograph No. 4**

Facility: Populus Federal 3H Flare Fire
(12.08.25)

County: Eddy County, New Mexico

Description:

View West, area of backfilled excavation.

**Photograph No. 5**

Facility: Populus Federal 3H Flare Fire
(12.08.25)

County: Eddy County, New Mexico

Description:

View Northwest, area of backfilled excavation.

**Photograph No. 6**

Facility: Populus Federal 3H Flare Fire
(12.08.25)

County: Eddy County, New Mexico

Description:

View Southeast, area of backfilled excavation.



APPENDIX C

CARMONA RESOURCES



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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 534471

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 534471
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Populus Federal 3H
Date Release Discovered	12/08/2025
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
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	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Fire Pipeline (Any) Crude Oil Released: 1 BBL Recovered: 0 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Flare Fire- No injuries. EMS not called. Fire extinguished immediately upon discovery.

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Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 2

Action 534471

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 534471
	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	Not answered.

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

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

ACKNOWLEDGMENTS

Action 534471

ACKNOWLEDGMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 534471
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☒	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
☒	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.
☒	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.
☒	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.
☒	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.
☒	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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Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 534471

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 534471
	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.	12/12/2025

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

QUESTIONS

Action 551812

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 551812
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2534640862
Incident Name	NAPP2534640862 POPULUS FEDERAL 3H @ 30-015-43256
Incident Type	Fire
Incident Status	Notification Accepted
Incident Well	[30-015-43256] POPULUS FEDERAL #003H

Location of Release Source	
Site Name	Populus Federal 3H
Date Release Discovered	12/08/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	450
What is the estimated number of samples that will be gathered	7
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/11/2026
Time sampling will commence	11:30 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources - 4328136823
Please provide any information necessary for navigation to sampling site	GPS on C141

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

CONDITIONS

Action 551812

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 551812
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jacquih	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/9/2026
jacquih	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	2/9/2026

APPENDIX D

CARMONA RESOURCES

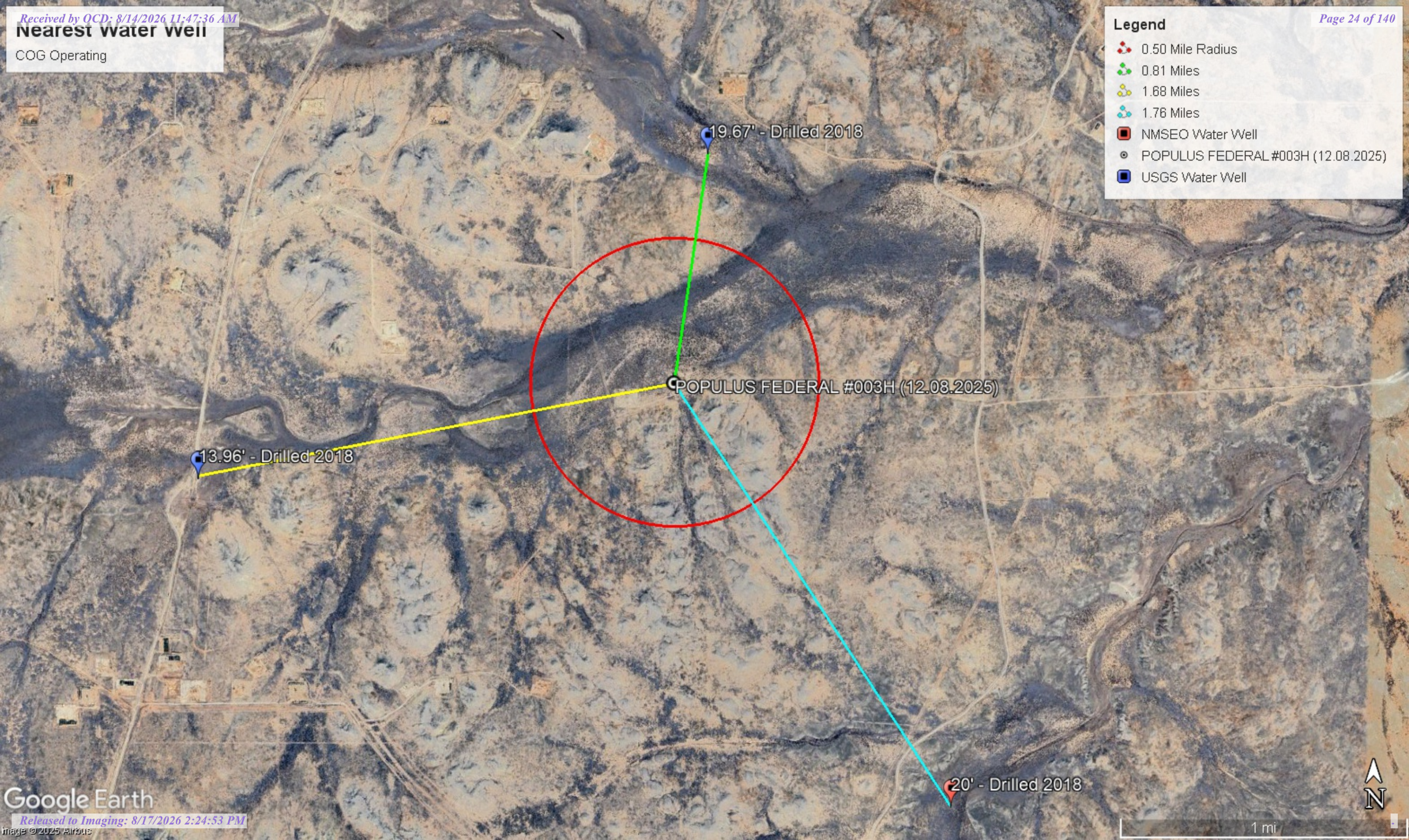


Nearest water well

COG Operating

Legend

- 0.50 Mile Radius
- 0.81 Miles
- 1.68 Miles
- 1.76 Miles
- NMSEO Water Well
- POPULUS FEDERAL #003H (12.08.2025)
- USGS Water Well



High Karst

COG Operating

Legend

-  High
-  POPULUS FEDERAL #003H (12.08.2025)

POPULUS FEDERAL #003H (12.08.2025)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are smallest to largest)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	(meters)	(In feet)		
													Distance	Well Depth	Depth Water	Water Column
C 03261 POD1		CUB	ED	SW	NE	NW	20	25S	27E	574007.0	3554006.0 *		1293	351		
C 05024 POD1		CUB	ED	NW	NW	NE	19	25S	27E	572878.2	3554116.7		1863	55		
C 05022 POD1		CUB	ED	NW	NW	NE	19	25S	27E	572783.6	3554152.7		1953	105		
C 05026 POD1		CUB	ED	NW	NW	NE	19	25S	27E	572800.7	3554256.3		2019	55		
C 02221		CUB	ED	SE	SW	NE	25	25S	26E	571412.0	3551961.0 *		2799	35		
C 04078 POD1		CUB	ED	SW	SE	NW	33	25S	27E	575666.9	3550363.4		2823	157	20	137
C 01013		C	ED			SE	25	25S	26E	571505.0	3551456.0 *		2891	245		
C 04079 POD1		CUB	ED	NW	NE	SW	33	25S	27E	575658.4	3550092.4		3048	226	20	206
C 02588		C	ED	SW	SE	SW	33	25S	27E	575645.0	3549575.0 *		3497	81	19	62
C 03654 POD1		CUB	ED	NE	SW	NW	24	25S	26E	570654.5	3553773.1		3611			

Average Depth to Water: 19 feet

Minimum Depth: 19 feet

Maximum Depth: 20 feet

Record Count: 10

UTM Filters (in meters):

Easting: 574107.64

Northing: 3552716.92

Radius: 4000

* UTM location was derived from PLSS - see Help

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USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

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Groundwater levels for New Mexico

Click to hide state-specific text

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320711104122701

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

USGS 320711104122701 25S.27E.20.21344

Eddy County, New Mexico
Latitude 32°07'12.5", Longitude 104°12'45.6" NAD83
Land-surface elevation 3,125.10 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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 measur
1983-02-02			D 62610		3106.22	NGVD29	1	Z		
1983-02-02			D 62611		3107.86	NAVD88	1	Z		
1983-02-02			D 72019	18.88			1	Z		
1987-10-09			D 62610		3109.96	NGVD29	1	Z		
1987-10-09			D 62611		3111.60	NAVD88	1	Z		
1987-10-09			D 72019	15.14			1	Z		
1992-11-20			D 62610		3106.49	NGVD29	1	S		
1992-11-20			D 62611		3108.13	NAVD88	1	S		
1992-11-20			D 72019	18.61			1	S		
1998-01-07			D 62610		3104.23	NGVD29	1	S		
1998-01-07			D 62611		3105.87	NAVD88	1	S		
1998-01-07			D 72019	20.87			1	S		
2003-01-29			D 62610		3102.27	NGVD29	1	S		USGS
2003-01-29			D 62611		3103.91	NAVD88	1	S		USGS
2003-01-29			D 72019	22.83			1	S		USGS
2013-01-09	23:30 UTC	m	62610		3101.48	NGVD29	1	S		USGS

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 measur
2013-01-09	23:30 UTC		m	62611	3103.12	NAVD88	1		S	USGS
2013-01-09	23:30 UTC		m	72019	23.62		1		S	USGS
2018-01-09	23:24 UTC		m	62610	3105.43	NGVD29	1		V	USGS
2018-01-09	23:24 UTC		m	62611	3107.07	NAVD88	1		V	USGS
2018-01-09	23:24 UTC		m	72019	19.67		1		V	USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
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	V	Calibrated electric-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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0.25 0.23 nadww02

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	? S
				Groundwater	New Mexico	GO	

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Groundwater levels for New Mexico

Click to hide state-specific text

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320616104142801

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

USGS 320616104142801 25S.26E.25.23231

Eddy County, New Mexico
Latitude 32°06'12.6", Longitude 104°14'33.9" NAD83
Land-surface elevation 3,188.60 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Castile Formation (312CSTL) 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 measur
1978-01-25			D 62610		3184.39	NGVD29	1		Z	
1978-01-25			D 62611		3186.05	NAVD88	1		Z	
1978-01-25			D 72019	4.21			1		Z	
1983-02-01			D 62610		3185.96	NGVD29	1		Z	
1983-02-01			D 62611		3187.62	NAVD88	1		Z	
1983-02-01			D 72019	2.64			1		Z	
1987-10-08			D 62610		3185.63	NGVD29	1		Z	
1987-10-08			D 62611		3187.29	NAVD88	1		Z	
1987-10-08			D 72019	2.97			1		Z	
1992-11-04			D 62610		3186.55	NGVD29	1		S	
1992-11-04			D 62611		3188.21	NAVD88	1		S	
1992-11-04			D 72019	2.05			1		S	
1998-01-07			D 62610		3186.62	NGVD29	1		S	
1998-01-07			D 62611		3188.28	NAVD88	1		S	
1998-01-07			D 72019	1.98			1		S	
2003-01-28			D 62610		3181.38	NGVD29	1		S	USGS

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	
2003-01-28	D	62611	3183.04	NAVD88	1	S	USGS
2003-01-28	D	72019	7.22		1	S	USGS
2013-01-09 22:45 UTC	m	62610	3177.78	NGVD29	1	S	USGS
2013-01-09 22:45 UTC	m	62611	3179.44	NAVD88	1	S	USGS
2013-01-09 22:45 UTC	m	72019	10.82		1	S	USGS
2018-02-13 22:15 UTC	m	62610	3174.64	NGVD29	1	S	USGS
2018-02-13 22:15 UTC	m	62611	3176.30	NAVD88	1	S	USGS
2018-02-13 22:15 UTC	m	72019	13.96		1	S	USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
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
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Page Last Modified: 2024-07-11 09:29:35 EDT
0.24 0.22 nadww01



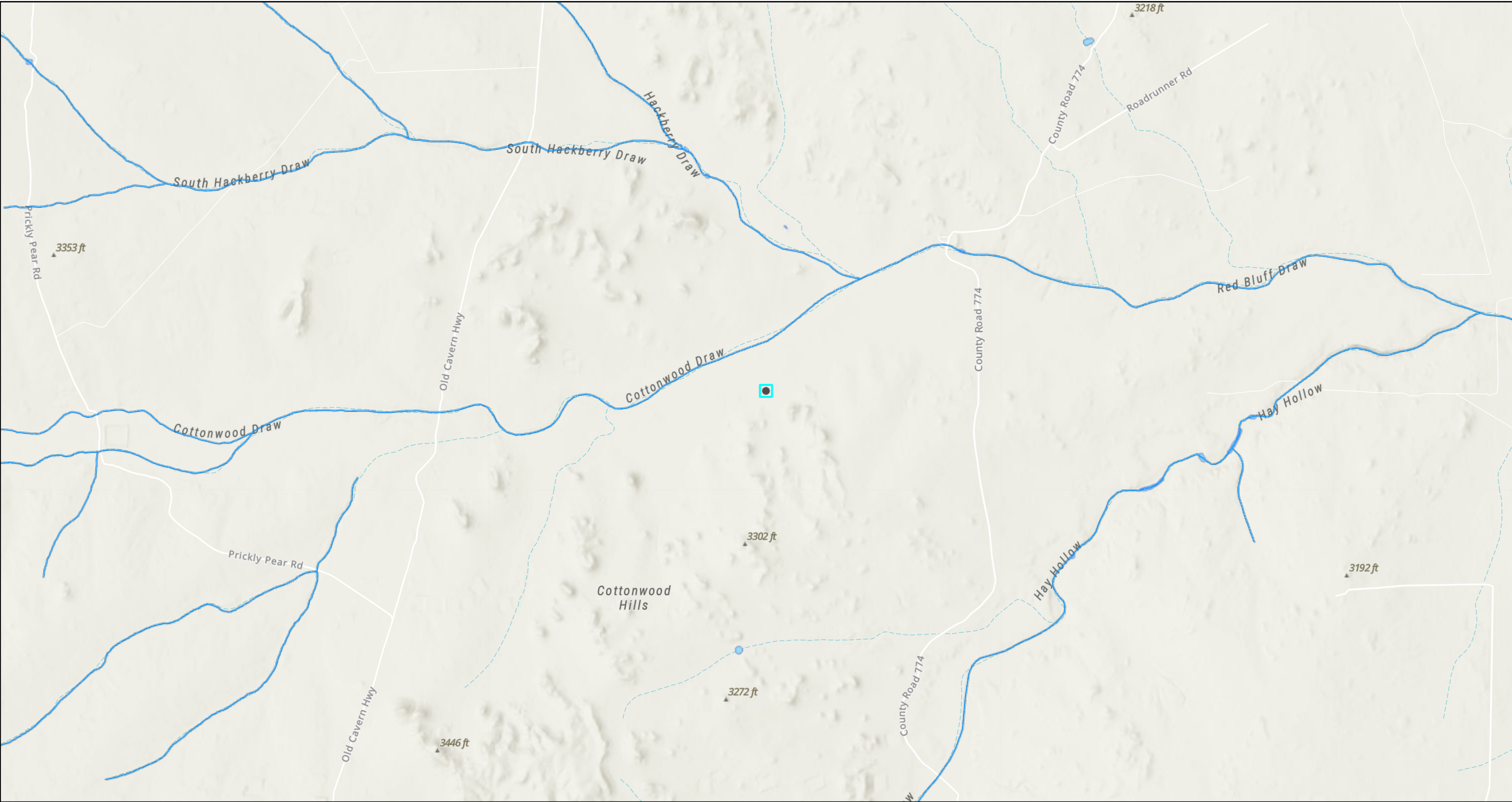
New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04078 POD1	3	4	1	33	25S	27E	575667	3550363 
x									
Driller License:		1690		Driller Company:		VISION RESOURCES, INC			
Driller Name:		JASON MALEY							
Drill Start Date:		05/23/2018		Drill Finish Date:		05/24/2018		Plug Date:	
Log File Date:		06/25/2018		PCW Rev Date:				Source: Shallow	
Pump Type:				Pipe Discharge Size:				Estimated Yield: 90 GPM	
Casing Size:		6.00		Depth Well:		157 feet		Depth Water: 20 feet	
x									
Water Bearing Stratifications:				Top	Bottom	Description			
				0	35	Shale/Mudstone/Siltstone			
				35	85	Sandstone/Gravel/Conglomerate			
				85	110	Sandstone/Gravel/Conglomerate			
				110	150	Sandstone/Gravel/Conglomerate			
x									
Casing Perforations:				Top	Bottom				
				38	157				
x									

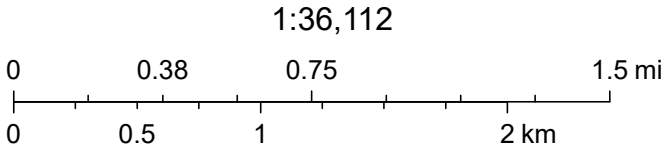
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POPULUS FEDERAL #003H (12.08.2025)

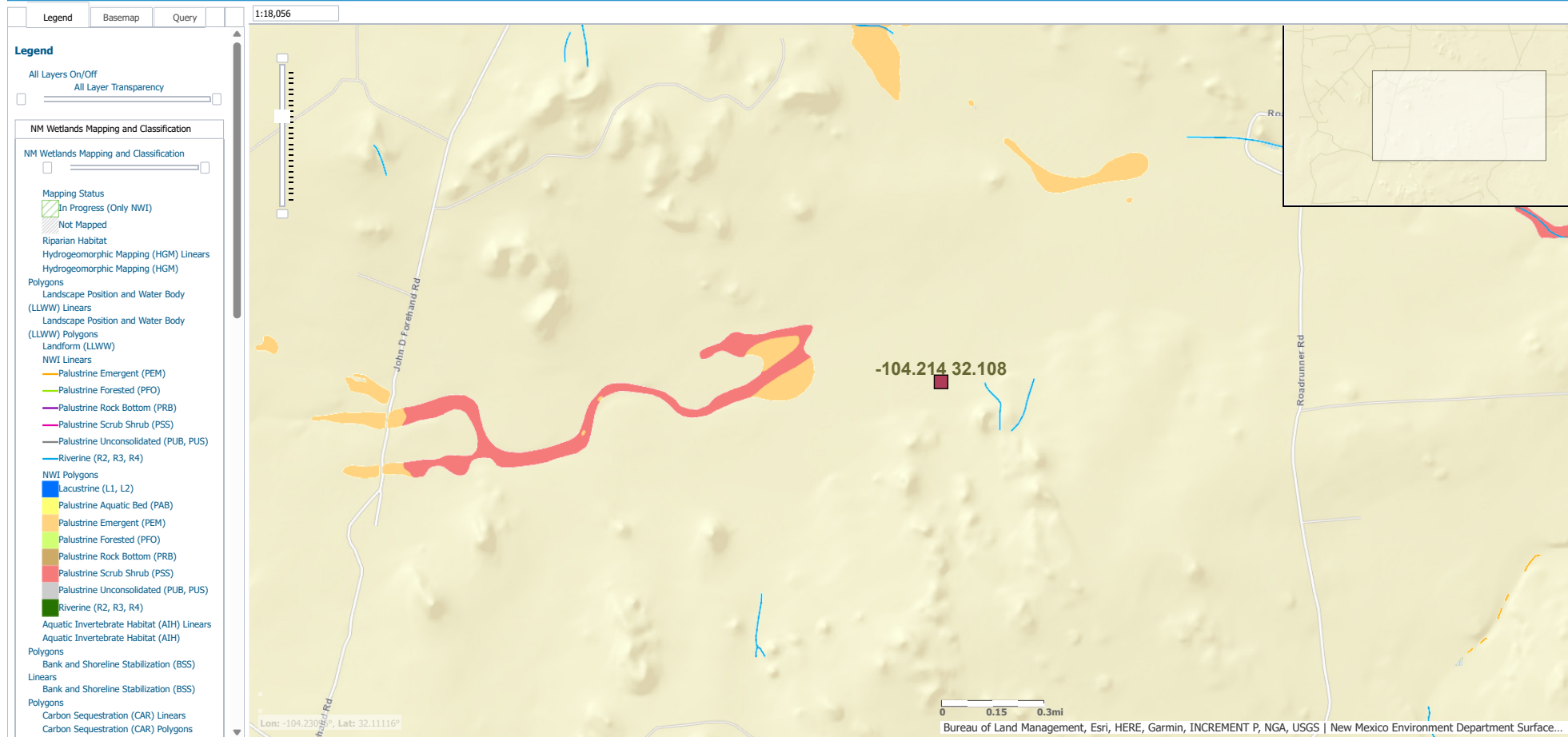


1/6/2026, 11:08:47 AM

- OSW Water Bodies
- OSE Streams



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APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

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

JOB DESCRIPTION

Populus Federal 3H Flare Fire (12.8.25)
3022

JOB NUMBER

880-67461-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



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

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Laboratory Job ID: 880-67461-1
SDG: 3022

Table of Contents

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67461-1
SDG: 3022

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67461-1

Job ID: 880-67461-1

Eurofins Midland

Job Narrative 880-67461-1

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

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

Receipt

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

GC VOA

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

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-1 (0-0.5') (880-67461-1) and H-2 (0-0.5') (880-67461-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67461-1
SDG: 3022

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

Lab Sample ID: 880-67461-1

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/28/26 09:48	01/30/26 11:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/28/26 09:48	01/30/26 11:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/28/26 09:48	01/30/26 11:51	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		01/28/26 09:48	01/30/26 11:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/28/26 09:48	01/30/26 11:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/28/26 09:48	01/30/26 11:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	01/28/26 09:48	01/30/26 11:51	1
1,4-Difluorobenzene (Surr)	92		70 - 130	01/28/26 09:48	01/30/26 11:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/30/26 11:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/28/26 23:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/28/26 08:37	01/28/26 23:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/28/26 08:37	01/28/26 23:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/28/26 08:37	01/28/26 23:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130	01/28/26 08:37	01/28/26 23:50	1
o-Terphenyl (Surr)	86		70 - 130	01/28/26 08:37	01/28/26 23:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			01/28/26 10:04	1

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

Lab Sample ID: 880-67461-2

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/28/26 09:48	01/30/26 12:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/28/26 09:48	01/30/26 12:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/28/26 09:48	01/30/26 12:11	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		01/28/26 09:48	01/30/26 12:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/28/26 09:48	01/30/26 12:11	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/28/26 09:48	01/30/26 12:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	01/28/26 09:48	01/30/26 12:11	1
1,4-Difluorobenzene (Surr)	94		70 - 130	01/28/26 09:48	01/30/26 12:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67461-1
SDG: 3022

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

Lab Sample ID: 880-67461-2

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/30/26 12:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/29/26 00:03	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	<50.0	U	50.0		mg/Kg		01/28/26 08:37	01/29/26 00:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/28/26 08:37	01/29/26 00:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/28/26 08:37	01/29/26 00:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	96		70 - 130				01/28/26 08:37	01/29/26 00:03	1
o-Terphenyl (Surr)	94		70 - 130				01/28/26 08:37	01/29/26 00:03	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			01/28/26 10:09	1

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

Lab Sample ID: 880-67461-3

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/28/26 09:48	01/30/26 12:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/28/26 09:48	01/30/26 12:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/28/26 09:48	01/30/26 12:32	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		01/28/26 09:48	01/30/26 12:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/28/26 09:48	01/30/26 12:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/28/26 09:48	01/30/26 12:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				01/28/26 09:48	01/30/26 12:32	1
1,4-Difluorobenzene (Surr)	91		70 - 130				01/28/26 09:48	01/30/26 12:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/30/26 12:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/29/26 00:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/28/26 08:37	01/29/26 00:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/28/26 08:37	01/29/26 00:18	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67461-1
SDG: 3022

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

Lab Sample ID: 880-67461-3

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/28/26 08:37	01/29/26 00:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130				01/28/26 08:37	01/29/26 00:18	1
o-Terphenyl (Surr)	95		70 - 130				01/28/26 08:37	01/29/26 00:18	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			01/28/26 10:14	1

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

Lab Sample ID: 880-67461-4

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/28/26 09:48	01/30/26 12:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/28/26 09:48	01/30/26 12:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/28/26 09:48	01/30/26 12:52	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		01/28/26 09:48	01/30/26 12:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/28/26 09:48	01/30/26 12:52	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/28/26 09:48	01/30/26 12:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				01/28/26 09:48	01/30/26 12:52	1
1,4-Difluorobenzene (Surr)	93		70 - 130				01/28/26 09:48	01/30/26 12:52	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			01/30/26 12:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/29/26 00:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/28/26 08:37	01/29/26 00:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/28/26 08:37	01/29/26 00:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/28/26 08:37	01/29/26 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	75		70 - 130				01/28/26 08:37	01/29/26 00:32	1
o-Terphenyl (Surr)	74		70 - 130				01/28/26 08:37	01/29/26 00:32	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			01/28/26 10:28	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
 Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67461-1
 SDG: 3022

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)
880-67460-A-1-C MS	Matrix Spike	123	91
880-67460-A-1-D MSD	Matrix Spike Duplicate	122	94
880-67461-1	H-1 (0-0.5')	130	92
880-67461-2	H-2 (0-0.5')	132 S1+	94
880-67461-3	H-3 (0-0.5')	125	91
880-67461-4	H-4 (0-0.5')	126	93
LCS 880-130078/1-A	Lab Control Sample	121	97
LCSD 880-130078/2-A	Lab Control Sample Dup	122	90
MB 880-130078/5-A	Method Blank	121	86
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-67459-A-1-E MS	Matrix Spike	117	100
880-67459-A-1-F MSD	Matrix Spike Duplicate	118	102
880-67461-1	H-1 (0-0.5')	84	86
880-67461-2	H-2 (0-0.5')	96	94
880-67461-3	H-3 (0-0.5')	95	95
880-67461-4	H-4 (0-0.5')	75	74
LCS 880-130035/2-A	Lab Control Sample	93	88
LCSD 880-130035/3-A	Lab Control Sample Dup	93	87
MB 880-130035/1-A	Method Blank	102	100
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Carmona Resources
 Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67461-1
 SDG: 3022

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-130078/5-A

Matrix: Solid

Analysis Batch: 130323

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 130078

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

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

Lab Sample ID: LCS 880-130078/1-A

Matrix: Solid

Analysis Batch: 130323

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 130078

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

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

Lab Sample ID: LCSD 880-130078/2-A

Matrix: Solid

Analysis Batch: 130323

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 130078

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

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

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

Matrix: Solid

Analysis Batch: 130323

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 130078

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67461-1
SDG: 3022

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

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

Matrix: Solid

Analysis Batch: 130323

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 130078

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

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

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

Matrix: Solid

Analysis Batch: 130323

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 130078

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

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

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

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

Matrix: Solid

Analysis Batch: 130057

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 130035

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

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

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

Matrix: Solid

Analysis Batch: 130057

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 130035

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67461-1
SDG: 3022

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

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

Matrix: Solid

Analysis Batch: 130057

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 130035

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

Lab Sample ID: LCSD 880-130035/3-A

Matrix: Solid

Analysis Batch: 130057

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 130035

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

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

Lab Sample ID: 880-67459-A-1-E MS

Matrix: Solid

Analysis Batch: 130057

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 130035

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

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

Lab Sample ID: 880-67459-A-1-F MSD

Matrix: Solid

Analysis Batch: 130057

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 130035

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

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67461-1
SDG: 3022

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-130007/1-A

Matrix: Solid

Analysis Batch: 130008

Client Sample ID: Method Blank

Prep Type: Soluble

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

Lab Sample ID: LCS 880-130007/2-A

Matrix: Solid

Analysis Batch: 130008

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

Lab Sample ID: LCSD 880-130007/3-A

Matrix: Solid

Analysis Batch: 130008

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	239.6		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-67459-A-1-B MS

Matrix: Solid

Analysis Batch: 130008

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<9.94	U	249	250.0		mg/Kg		98	90 - 110

Lab Sample ID: 880-67459-A-1-C MSD

Matrix: Solid

Analysis Batch: 130008

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<9.94	U	249	250.5		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
 Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67461-1
 SDG: 3022

GC VOA

Prep Batch: 130078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67461-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-67461-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-67461-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-67461-4	H-4 (0-0.5')	Total/NA	Solid	5035	
MB 880-130078/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-130078/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-130078/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-67460-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-67460-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 130323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67461-1	H-1 (0-0.5')	Total/NA	Solid	8021B	130078
880-67461-2	H-2 (0-0.5')	Total/NA	Solid	8021B	130078
880-67461-3	H-3 (0-0.5')	Total/NA	Solid	8021B	130078
880-67461-4	H-4 (0-0.5')	Total/NA	Solid	8021B	130078
MB 880-130078/5-A	Method Blank	Total/NA	Solid	8021B	130078
LCS 880-130078/1-A	Lab Control Sample	Total/NA	Solid	8021B	130078
LCSD 880-130078/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	130078
880-67460-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	130078
880-67460-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	130078

Analysis Batch: 130433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67461-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-67461-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-67461-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-67461-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 130035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67461-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-67461-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-67461-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-67461-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-130035/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-130035/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-130035/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-67459-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-67459-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 130057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67461-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	130035
880-67461-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	130035
880-67461-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	130035
880-67461-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	130035
MB 880-130035/1-A	Method Blank	Total/NA	Solid	8015B NM	130035
LCS 880-130035/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	130035

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67461-1
 SDG: 3022

GC Semi VOA (Continued)

Analysis Batch: 130057 (Continued)

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

Analysis Batch: 130257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67461-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-67461-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-67461-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-67461-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 130007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67461-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-67461-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-67461-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-67461-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-130007/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-130007/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-130007/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-67459-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-67459-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 130008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67461-1	H-1 (0-0.5')	Soluble	Solid	300.0	130007
880-67461-2	H-2 (0-0.5')	Soluble	Solid	300.0	130007
880-67461-3	H-3 (0-0.5')	Soluble	Solid	300.0	130007
880-67461-4	H-4 (0-0.5')	Soluble	Solid	300.0	130007
MB 880-130007/1-A	Method Blank	Soluble	Solid	300.0	130007
LCS 880-130007/2-A	Lab Control Sample	Soluble	Solid	300.0	130007
LCSD 880-130007/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	130007
880-67459-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	130007
880-67459-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	130007

Lab Chronicle

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67461-1
SDG: 3022

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

Lab Sample ID: 880-67461-1

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	130078	01/28/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130323	01/30/26 11:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			130433	01/30/26 11:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			130257	01/28/26 23:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	130035	01/28/26 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130057	01/28/26 23:50	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	130007	01/27/26 16:00	SA	EET MID
Soluble	Analysis	300.0		1			130008	01/28/26 10:04	CS	EET MID

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

Lab Sample ID: 880-67461-2

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	130078	01/28/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130323	01/30/26 12:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			130433	01/30/26 12:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			130257	01/29/26 00:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	130035	01/28/26 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130057	01/29/26 00:03	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	130007	01/27/26 16:00	SA	EET MID
Soluble	Analysis	300.0		1			130008	01/28/26 10:09	CS	EET MID

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

Lab Sample ID: 880-67461-3

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	130078	01/28/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130323	01/30/26 12:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			130433	01/30/26 12:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			130257	01/29/26 00:18	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	130035	01/28/26 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130057	01/29/26 00:18	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	130007	01/27/26 16:00	SA	EET MID
Soluble	Analysis	300.0		1			130008	01/28/26 10:14	CS	EET MID

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

Lab Sample ID: 880-67461-4

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	130078	01/28/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130323	01/30/26 12:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			130433	01/30/26 12:52	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67461-1
SDG: 3022

Client Sample ID: H-4 (0-0.5')
Date Collected: 01/22/26 00:00
Date Received: 01/27/26 14:43

Lab Sample ID: 880-67461-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			130257	01/29/26 00:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	130035	01/28/26 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130057	01/29/26 00:32	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	130007	01/27/26 16:00	SA	EET MID
Soluble	Analysis	300.0		1			130008	01/28/26 10:28	CS	EET MID

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67461-1
SDG: 3022

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67461-1
SDG: 3022

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67461-1
SDG: 3022

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-67461-1	H-1 (0-0.5')	Solid	01/22/26 00:00	01/27/26 14:43	New Mexico
880-67461-2	H-2 (0-0.5')	Solid	01/22/26 00:00	01/27/26 14:43	New Mexico
880-67461-3	H-3 (0-0.5')	Solid	01/22/26 00:00	01/27/26 14:43	New Mexico
880-67461-4	H-4 (0-0.5')	Solid	01/22/26 00:00	01/27/26 14:43	New Mexico

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380-67451 Chain of Custody

Chain of Custody

Page 1 of 1

[illegible]

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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-67461-1

SDG Number: 3022

Login Number: 67461

List Number: 1

Creator: Dyal, Erica

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/30/2026 7:12:51 PM

JOB DESCRIPTION

Populus Federal 3H Flare Fire (12.8.25)
3105

JOB NUMBER

880-67464-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
1/30/2026 7:12:51 PM

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

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Laboratory Job ID: 880-67464-1
SDG: 3105

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Definitions/Glossary

Client: Carmona Resources

Job ID: 880-67464-1

Project/Site: Populus Federal 3H Flare Fire (12.8.25)

SDG: 3105

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67464-1

Job ID: 880-67464-1

Eurofins Midland

Job Narrative 880-67464-1

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

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

Receipt

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

GC VOA

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

Diesel Range Organics

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67464-1
SDG: 3105

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

Lab Sample ID: 880-67464-1

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/28/26 09:48	01/30/26 17:19	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/28/26 09:48	01/30/26 17:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/28/26 09:48	01/30/26 17:19	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		01/28/26 09:48	01/30/26 17:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/28/26 09:48	01/30/26 17:19	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/28/26 09:48	01/30/26 17:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130	01/28/26 09:48	01/30/26 17:19	1
1,4-Difluorobenzene (Surr)	95		70 - 130	01/28/26 09:48	01/30/26 17:19	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			01/30/26 17:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/29/26 03:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/28/26 08:37	01/29/26 03:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/28/26 08:37	01/29/26 03:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/28/26 08:37	01/29/26 03:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130	01/28/26 08:37	01/29/26 03:06	1
o-Terphenyl (Surr)	94		70 - 130	01/28/26 08:37	01/29/26 03:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	379		9.96		mg/Kg			01/28/26 11:37	1

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-67464-2

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/28/26 09:48	01/30/26 17:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/28/26 09:48	01/30/26 17:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/28/26 09:48	01/30/26 17:39	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		01/28/26 09:48	01/30/26 17:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/28/26 09:48	01/30/26 17:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/28/26 09:48	01/30/26 17:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130	01/28/26 09:48	01/30/26 17:39	1
1,4-Difluorobenzene (Surr)	91		70 - 130	01/28/26 09:48	01/30/26 17:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67464-1
SDG: 3105

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-67464-2

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/30/26 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/29/26 03:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/28/26 08:37	01/29/26 03:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/28/26 08:37	01/29/26 03:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/28/26 08:37	01/29/26 03:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130				01/28/26 08:37	01/29/26 03:21	1
o-Terphenyl (Surr)	111		70 - 130				01/28/26 08:37	01/29/26 03:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	752		10.0		mg/Kg			01/28/26 11:42	1

Client Sample ID: S-1 (2')

Lab Sample ID: 880-67464-3

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/28/26 09:48	01/30/26 18:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/28/26 09:48	01/30/26 18:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/28/26 09:48	01/30/26 18:00	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		01/28/26 09:48	01/30/26 18:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/28/26 09:48	01/30/26 18:00	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/28/26 09:48	01/30/26 18:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				01/28/26 09:48	01/30/26 18:00	1
1,4-Difluorobenzene (Surr)	93		70 - 130				01/28/26 09:48	01/30/26 18:00	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			01/30/26 18:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/29/26 03:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/28/26 08:37	01/29/26 03:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/28/26 08:37	01/29/26 03:35	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67464-1
SDG: 3105

Client Sample ID: S-1 (2')

Lab Sample ID: 880-67464-3

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/28/26 08:37	01/29/26 03:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130				01/28/26 08:37	01/29/26 03:35	1
o-Terphenyl (Surr)	88		70 - 130				01/28/26 08:37	01/29/26 03:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1040		49.6		mg/Kg			01/28/26 11:47	5

Client Sample ID: S-1 (3')

Lab Sample ID: 880-67464-4

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:48	01/30/26 18:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:48	01/30/26 18:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:48	01/30/26 18:20	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		01/28/26 09:48	01/30/26 18:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/28/26 09:48	01/30/26 18:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/28/26 09:48	01/30/26 18:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130				01/28/26 09:48	01/30/26 18:20	1
1,4-Difluorobenzene (Surr)	92		70 - 130				01/28/26 09:48	01/30/26 18:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/30/26 18:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/29/26 03:49	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	<50.0	U	50.0		mg/Kg		01/28/26 08:37	01/29/26 03:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/28/26 08:37	01/29/26 03:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/28/26 08:37	01/29/26 03:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130				01/28/26 08:37	01/29/26 03:49	1
o-Terphenyl (Surr)	90		70 - 130				01/28/26 08:37	01/29/26 03:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1640		49.9		mg/Kg			01/28/26 11:52	5

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Client Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67464-1
SDG: 3105

Client Sample ID: S-1 (4')

Lab Sample ID: 880-67464-5

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/28/26 09:48	01/30/26 18:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/28/26 09:48	01/30/26 18:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/28/26 09:48	01/30/26 18:41	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		01/28/26 09:48	01/30/26 18:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/28/26 09:48	01/30/26 18:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/28/26 09:48	01/30/26 18:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130	01/28/26 09:48	01/30/26 18:41	1
1,4-Difluorobenzene (Surr)	90		70 - 130	01/28/26 09:48	01/30/26 18:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/30/26 18:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			01/29/26 04:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		01/28/26 08:37	01/29/26 04:04	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		01/28/26 08:37	01/29/26 04:04	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/28/26 08:37	01/29/26 04:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130	01/28/26 08:37	01/29/26 04:04	1
o-Terphenyl (Surr)	89		70 - 130	01/28/26 08:37	01/29/26 04:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	392		10.0		mg/Kg			01/28/26 11:57	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67464-1
SDG: 3105

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)
880-67460-A-1-C MS	Matrix Spike	123	91
880-67460-A-1-D MSD	Matrix Spike Duplicate	122	94
880-67464-1	S-1 (0-1')	141 S1+	95
880-67464-2	S-1 (1.5')	135 S1+	91
880-67464-3	S-1 (2')	126	93
880-67464-4	S-1 (3')	135 S1+	92
880-67464-5	S-1 (4')	142 S1+	90
LCS 880-130078/1-A	Lab Control Sample	121	97
LCSD 880-130078/2-A	Lab Control Sample Dup	122	90
MB 880-130078/5-A	Method Blank	121	86
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-67459-A-1-E MS	Matrix Spike	117	100
880-67459-A-1-F MSD	Matrix Spike Duplicate	118	102
880-67464-1	S-1 (0-1')	87	94
880-67464-2	S-1 (1.5')	109	111
880-67464-3	S-1 (2')	88	88
880-67464-4	S-1 (3')	88	90
880-67464-5	S-1 (4')	88	89
LCS 880-130035/2-A	Lab Control Sample	93	88
LCSD 880-130035/3-A	Lab Control Sample Dup	93	87
MB 880-130035/1-A	Method Blank	102	100
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67464-1
SDG: 3105

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-130078/5-A

Matrix: Solid

Analysis Batch: 130323

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 130078

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

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

Lab Sample ID: LCS 880-130078/1-A

Matrix: Solid

Analysis Batch: 130323

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 130078

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

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

Lab Sample ID: LCSD 880-130078/2-A

Matrix: Solid

Analysis Batch: 130323

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 130078

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

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

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

Matrix: Solid

Analysis Batch: 130323

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 130078

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67464-1
SDG: 3105

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

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

Matrix: Solid

Analysis Batch: 130323

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 130078

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

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

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

Matrix: Solid

Analysis Batch: 130323

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 130078

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

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

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

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

Matrix: Solid

Analysis Batch: 130057

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 130035

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

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

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

Matrix: Solid

Analysis Batch: 130057

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 130035

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67464-1
SDG: 3105

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

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

Matrix: Solid

Analysis Batch: 130057

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 130035

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

Lab Sample ID: LCSD 880-130035/3-A

Matrix: Solid

Analysis Batch: 130057

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 130035

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

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

Lab Sample ID: 880-67459-A-1-E MS

Matrix: Solid

Analysis Batch: 130057

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 130035

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

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

Lab Sample ID: 880-67459-A-1-F MSD

Matrix: Solid

Analysis Batch: 130057

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 130035

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

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67464-1
SDG: 3105

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-130007/1-A

Matrix: Solid

Analysis Batch: 130008

Client Sample ID: Method Blank

Prep Type: Soluble

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

Lab Sample ID: LCS 880-130007/2-A

Matrix: Solid

Analysis Batch: 130008

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

Lab Sample ID: LCSD 880-130007/3-A

Matrix: Solid

Analysis Batch: 130008

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	239.6		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-67463-A-1-B MS

Matrix: Solid

Analysis Batch: 130008

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	87.4		250	349.7		mg/Kg		105	90 - 110

Lab Sample ID: 880-67463-A-1-C MSD

Matrix: Solid

Analysis Batch: 130008

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	87.4		250	351.1		mg/Kg		106	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
 Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67464-1
 SDG: 3105

GC VOA

Prep Batch: 130078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67464-1	S-1 (0-1')	Total/NA	Solid	5035	
880-67464-2	S-1 (1.5')	Total/NA	Solid	5035	
880-67464-3	S-1 (2')	Total/NA	Solid	5035	
880-67464-4	S-1 (3')	Total/NA	Solid	5035	
880-67464-5	S-1 (4')	Total/NA	Solid	5035	
MB 880-130078/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-130078/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-130078/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-67460-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-67460-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 130323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67464-1	S-1 (0-1')	Total/NA	Solid	8021B	130078
880-67464-2	S-1 (1.5')	Total/NA	Solid	8021B	130078
880-67464-3	S-1 (2')	Total/NA	Solid	8021B	130078
880-67464-4	S-1 (3')	Total/NA	Solid	8021B	130078
880-67464-5	S-1 (4')	Total/NA	Solid	8021B	130078
MB 880-130078/5-A	Method Blank	Total/NA	Solid	8021B	130078
LCS 880-130078/1-A	Lab Control Sample	Total/NA	Solid	8021B	130078
LCSD 880-130078/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	130078
880-67460-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	130078
880-67460-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	130078

Analysis Batch: 130437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67464-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-67464-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-67464-3	S-1 (2')	Total/NA	Solid	Total BTEX	
880-67464-4	S-1 (3')	Total/NA	Solid	Total BTEX	
880-67464-5	S-1 (4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 130035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67464-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-67464-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-67464-3	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-67464-4	S-1 (3')	Total/NA	Solid	8015NM Prep	
880-67464-5	S-1 (4')	Total/NA	Solid	8015NM Prep	
MB 880-130035/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-130035/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-130035/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-67459-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-67459-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 130057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67464-1	S-1 (0-1')	Total/NA	Solid	8015B NM	130035
880-67464-2	S-1 (1.5')	Total/NA	Solid	8015B NM	130035

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QC Association Summary

Client: Carmona Resources
 Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67464-1
 SDG: 3105

GC Semi VOA (Continued)

Analysis Batch: 130057 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67464-3	S-1 (2')	Total/NA	Solid	8015B NM	130035
880-67464-4	S-1 (3')	Total/NA	Solid	8015B NM	130035
880-67464-5	S-1 (4')	Total/NA	Solid	8015B NM	130035
MB 880-130035/1-A	Method Blank	Total/NA	Solid	8015B NM	130035
LCS 880-130035/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	130035
LCSD 880-130035/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	130035
880-67459-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	130035
880-67459-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	130035

Analysis Batch: 130260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67464-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-67464-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-67464-3	S-1 (2')	Total/NA	Solid	8015 NM	
880-67464-4	S-1 (3')	Total/NA	Solid	8015 NM	
880-67464-5	S-1 (4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 130007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67464-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-67464-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-67464-3	S-1 (2')	Soluble	Solid	DI Leach	
880-67464-4	S-1 (3')	Soluble	Solid	DI Leach	
880-67464-5	S-1 (4')	Soluble	Solid	DI Leach	
MB 880-130007/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-130007/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-130007/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-67463-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-67463-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 130008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67464-1	S-1 (0-1')	Soluble	Solid	300.0	130007
880-67464-2	S-1 (1.5')	Soluble	Solid	300.0	130007
880-67464-3	S-1 (2')	Soluble	Solid	300.0	130007
880-67464-4	S-1 (3')	Soluble	Solid	300.0	130007
880-67464-5	S-1 (4')	Soluble	Solid	300.0	130007
MB 880-130007/1-A	Method Blank	Soluble	Solid	300.0	130007
LCS 880-130007/2-A	Lab Control Sample	Soluble	Solid	300.0	130007
LCSD 880-130007/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	130007
880-67463-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	130007
880-67463-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	130007

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67464-1
SDG: 3105

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

Lab Sample ID: 880-67464-1

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	130078	01/28/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130323	01/30/26 17:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			130437	01/30/26 17:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			130260	01/29/26 03:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	130035	01/28/26 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130057	01/29/26 03:06	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	130007	01/27/26 16:00	SA	EET MID
Soluble	Analysis	300.0		1			130008	01/28/26 11:37	CS	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-67464-2

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	130078	01/28/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130323	01/30/26 17:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			130437	01/30/26 17:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			130260	01/29/26 03:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	130035	01/28/26 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130057	01/29/26 03:21	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	130007	01/27/26 16:00	SA	EET MID
Soluble	Analysis	300.0		1			130008	01/28/26 11:42	CS	EET MID

Client Sample ID: S-1 (2')

Lab Sample ID: 880-67464-3

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	130078	01/28/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130323	01/30/26 18:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			130437	01/30/26 18:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			130260	01/29/26 03:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	130035	01/28/26 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130057	01/29/26 03:35	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	130007	01/27/26 16:00	SA	EET MID
Soluble	Analysis	300.0		5			130008	01/28/26 11:47	CS	EET MID

Client Sample ID: S-1 (3')

Lab Sample ID: 880-67464-4

Date Collected: 01/22/26 00:00

Matrix: Solid

Date Received: 01/27/26 14:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	130078	01/28/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130323	01/30/26 18:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			130437	01/30/26 18:20	AJ	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67464-1
SDG: 3105

Client Sample ID: S-1 (3')
Date Collected: 01/22/26 00:00
Date Received: 01/27/26 14:43

Lab Sample ID: 880-67464-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			130260	01/29/26 03:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	130035	01/28/26 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130057	01/29/26 03:49	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	130007	01/27/26 16:00	SA	EET MID
Soluble	Analysis	300.0		5			130008	01/28/26 11:52	CS	EET MID

Client Sample ID: S-1 (4')
Date Collected: 01/22/26 00:00
Date Received: 01/27/26 14:43

Lab Sample ID: 880-67464-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	130078	01/28/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	130323	01/30/26 18:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			130437	01/30/26 18:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			130260	01/29/26 04:04	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	130035	01/28/26 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	130057	01/29/26 04:04	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	130007	01/27/26 16:00	SA	EET MID
Soluble	Analysis	300.0		1			130008	01/28/26 11:57	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67464-1
SDG: 3105

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: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67464-1
SDG: 3105

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-67464-1
SDG: 3105

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-67464-1	S-1 (0-1')	Solid	01/22/26 00:00	01/27/26 14:43	New Mexico
880-67464-2	S-1 (1.5')	Solid	01/22/26 00:00	01/27/26 14:43	New Mexico
880-67464-3	S-1 (2')	Solid	01/22/26 00:00	01/27/26 14:43	New Mexico
880-67464-4	S-1 (3')	Solid	01/22/26 00:00	01/27/26 14:43	New Mexico
880-67464-5	S-1 (4')	Solid	01/22/26 00:00	01/27/26 14:43	New Mexico

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8880-67454 Chain of Custody

Chain of Custody

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-67464-1

SDG Number: 3105

Login Number: 67464

List Number: 1

Creator: Dyal, Erica

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/18/2026 11:27:54 AM

JOB DESCRIPTION

Populus Federal 3H Flare Fire (12.8.25)
Eddy County New Mexico

JOB NUMBER

880-68271-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



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2/18/2026 11:27:54 AM

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

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Laboratory Job ID: 880-68271-1
SDG: Eddy County New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68271-1
SDG: Eddy County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68271-1

Job ID: 880-68271-1

Eurofins Midland

Job Narrative 880-68271-1

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

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

Receipt

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

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-5 (4') (880-68271-5), SW-1 (4') (880-68271-6) and SW-5 (4') (880-68271-10). Evidence of matrix interferences is not obvious.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-131928 and analytical batch 880-132047 was outside the upper control limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-131957 and analytical batch 880-132047 was outside the upper control limits.

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

Diesel Range Organics

Method 8015B NM: Surrogate recovery for the following sample was outside the upper control limit: SW-5 (4') (880-68271-10). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68271-1
SDG: Eddy County New Mexico

Client Sample ID: CS-1 (4')

Lab Sample ID: 880-68271-1

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/17/26 22:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/17/26 22:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/17/26 22:50	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/16/26 11:55	02/17/26 22:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/17/26 22:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/16/26 11:55	02/17/26 22:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	02/16/26 11:55	02/17/26 22:50	1
1,4-Difluorobenzene (Surr)	106		70 - 130	02/16/26 11:55	02/17/26 22:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/17/26 22:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/17/26 19:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		02/15/26 18:06	02/17/26 19:36	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/15/26 18:06	02/17/26 19:36	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/15/26 18:06	02/17/26 19:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130	02/15/26 18:06	02/17/26 19:36	1
o-Terphenyl (Surr)	128		70 - 130	02/15/26 18:06	02/17/26 19:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.4		10.1		mg/Kg			02/17/26 13:26	1

Client Sample ID: CS-2 (4')

Lab Sample ID: 880-68271-2

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:55	02/17/26 23:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:55	02/17/26 23:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:55	02/17/26 23:11	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/16/26 11:55	02/17/26 23:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:55	02/17/26 23:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/16/26 11:55	02/17/26 23:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	02/16/26 11:55	02/17/26 23:11	1
1,4-Difluorobenzene (Surr)	115		70 - 130	02/16/26 11:55	02/17/26 23:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68271-1
SDG: Eddy County New Mexico

Client Sample ID: CS-2 (4')

Lab Sample ID: 880-68271-2

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/17/26 23:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/17/26 20:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/15/26 18:06	02/17/26 20:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/15/26 18:06	02/17/26 20:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/15/26 18:06	02/17/26 20:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130				02/15/26 18:06	02/17/26 20:18	1
o-Terphenyl (Surr)	122		70 - 130				02/15/26 18:06	02/17/26 20:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.1		10.1		mg/Kg			02/17/26 13:43	1

Client Sample ID: CS-3 (4')

Lab Sample ID: 880-68271-3

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/16/26 11:55	02/17/26 23:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/16/26 11:55	02/17/26 23:31	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/16/26 11:55	02/17/26 23:31	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		02/16/26 11:55	02/17/26 23:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/16/26 11:55	02/17/26 23:31	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/16/26 11:55	02/17/26 23:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				02/16/26 11:55	02/17/26 23:31	1
1,4-Difluorobenzene (Surr)	98		70 - 130				02/16/26 11:55	02/17/26 23:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/17/26 23:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/26 20:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/17/26 20:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/17/26 20:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68271-1
SDG: Eddy County New Mexico

Client Sample ID: CS-3 (4')

Lab Sample ID: 880-68271-3

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/17/26 20:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130				02/15/26 18:06	02/17/26 20:33	1
o-Terphenyl (Surr)	119		70 - 130				02/15/26 18:06	02/17/26 20:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.1		10.0		mg/Kg			02/17/26 13:49	1

Client Sample ID: CS-4 (4')

Lab Sample ID: 880-68271-4

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:55	02/17/26 23:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:55	02/17/26 23:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:55	02/17/26 23:52	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/16/26 11:55	02/17/26 23:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:55	02/17/26 23:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/16/26 11:55	02/17/26 23:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				02/16/26 11:55	02/17/26 23:52	1
1,4-Difluorobenzene (Surr)	96		70 - 130				02/16/26 11:55	02/17/26 23:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/17/26 23:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/17/26 20:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/15/26 18:06	02/17/26 20:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/15/26 18:06	02/17/26 20:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/15/26 18:06	02/17/26 20:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130				02/15/26 18:06	02/17/26 20:47	1
o-Terphenyl (Surr)	114		70 - 130				02/15/26 18:06	02/17/26 20:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.2		10.0		mg/Kg			02/17/26 13:54	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68271-1
SDG: Eddy County New Mexico

Client Sample ID: CS-5 (4')

Lab Sample ID: 880-68271-5

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/16/26 11:55	02/18/26 00:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/16/26 11:55	02/18/26 00:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/16/26 11:55	02/18/26 00:12	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/16/26 11:55	02/18/26 00:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/16/26 11:55	02/18/26 00:12	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/16/26 11:55	02/18/26 00:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	02/16/26 11:55	02/18/26 00:12	1
1,4-Difluorobenzene (Surr)	110		70 - 130	02/16/26 11:55	02/18/26 00:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/18/26 00:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/17/26 21:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/15/26 18:06	02/17/26 21:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/15/26 18:06	02/17/26 21:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/15/26 18:06	02/17/26 21:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130	02/15/26 18:06	02/17/26 21:02	1
o-Terphenyl (Surr)	120		70 - 130	02/15/26 18:06	02/17/26 21:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/17/26 14:00	1

Client Sample ID: SW-1 (4')

Lab Sample ID: 880-68271-6

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/18/26 00:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/18/26 00:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/18/26 00:33	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/16/26 11:55	02/18/26 00:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/18/26 00:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/16/26 11:55	02/18/26 00:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	02/16/26 11:55	02/18/26 00:33	1
1,4-Difluorobenzene (Surr)	121		70 - 130	02/16/26 11:55	02/18/26 00:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68271-1
SDG: Eddy County New Mexico

Client Sample ID: SW-1 (4')

Lab Sample ID: 880-68271-6

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/18/26 00:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/26 21:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/17/26 21:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/17/26 21:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/17/26 21:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130				02/15/26 18:06	02/17/26 21:16	1
o-Terphenyl (Surr)	122		70 - 130				02/15/26 18:06	02/17/26 21:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.5		10.1		mg/Kg			02/17/26 14:05	1

Client Sample ID: SW-2 (4')

Lab Sample ID: 880-68271-7

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:55	02/18/26 00:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:55	02/18/26 00:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:55	02/18/26 00:53	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/16/26 11:55	02/18/26 00:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/16/26 11:55	02/18/26 00:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/16/26 11:55	02/18/26 00:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				02/16/26 11:55	02/18/26 00:53	1
1,4-Difluorobenzene (Surr)	110		70 - 130				02/16/26 11:55	02/18/26 00:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/18/26 00:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/17/26 21:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/15/26 18:06	02/17/26 21:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/15/26 18:06	02/17/26 21:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68271-1
SDG: Eddy County New Mexico

Client Sample ID: SW-2 (4')

Lab Sample ID: 880-68271-7

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/15/26 18:06	02/17/26 21:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130				02/15/26 18:06	02/17/26 21:31	1
o-Terphenyl (Surr)	124		70 - 130				02/15/26 18:06	02/17/26 21:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.1		10.0		mg/Kg			02/17/26 13:28	1

Client Sample ID: SW-3 (4')

Lab Sample ID: 880-68271-8

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/18/26 01:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/18/26 01:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/18/26 01:14	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		02/16/26 11:55	02/18/26 01:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/18/26 01:14	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/16/26 11:55	02/18/26 01:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				02/16/26 11:55	02/18/26 01:14	1
1,4-Difluorobenzene (Surr)	107		70 - 130				02/16/26 11:55	02/18/26 01:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/18/26 01:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/17/26 21:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/15/26 18:06	02/17/26 21:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/15/26 18:06	02/17/26 21:44	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/15/26 18:06	02/17/26 21:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130				02/15/26 18:06	02/17/26 21:44	1
o-Terphenyl (Surr)	123		70 - 130				02/15/26 18:06	02/17/26 21:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.7		10.0		mg/Kg			02/17/26 13:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68271-1
SDG: Eddy County New Mexico

Client Sample ID: SW-4 (4')

Lab Sample ID: 880-68271-9

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:55	02/18/26 01:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:55	02/18/26 01:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:55	02/18/26 01:34	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/16/26 11:55	02/18/26 01:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:55	02/18/26 01:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/16/26 11:55	02/18/26 01:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	02/16/26 11:55	02/18/26 01:34	1
1,4-Difluorobenzene (Surr)	112		70 - 130	02/16/26 11:55	02/18/26 01:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/18/26 01:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/17/26 21:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		02/15/26 18:06	02/17/26 21:59	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/15/26 18:06	02/17/26 21:59	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/15/26 18:06	02/17/26 21:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130	02/15/26 18:06	02/17/26 21:59	1
o-Terphenyl (Surr)	121		70 - 130	02/15/26 18:06	02/17/26 21:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.9		10.1		mg/Kg			02/17/26 13:49	1

Client Sample ID: SW-5 (4')

Lab Sample ID: 880-68271-10

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/16/26 11:55	02/18/26 01:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/16/26 11:55	02/18/26 01:55	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/16/26 11:55	02/18/26 01:55	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/16/26 11:55	02/18/26 01:55	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/16/26 11:55	02/18/26 01:55	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/16/26 11:55	02/18/26 01:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	02/16/26 11:55	02/18/26 01:55	1
1,4-Difluorobenzene (Surr)	119		70 - 130	02/16/26 11:55	02/18/26 01:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68271-1
SDG: Eddy County New Mexico

Client Sample ID: SW-5 (4')

Lab Sample ID: 880-68271-10

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/18/26 01:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/26 22:13	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		02/15/26 18:06	02/17/26 22:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/17/26 22:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/17/26 22:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	133	S1+	70 - 130				02/15/26 18:06	02/17/26 22:13	1
o-Terphenyl (Surr)	144	S1+	70 - 130				02/15/26 18:06	02/17/26 22:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			02/17/26 13:55	1

Client Sample ID: SW-6 (4')

Lab Sample ID: 880-68271-11

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/18/26 03:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/18/26 03:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/18/26 03:45	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/16/26 11:55	02/18/26 03:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/18/26 03:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/16/26 11:55	02/18/26 03:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				02/16/26 11:55	02/18/26 03:45	1
1,4-Difluorobenzene (Surr)	114		70 - 130				02/16/26 11:55	02/18/26 03:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/18/26 03:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/26 22:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/17/26 22:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/17/26 22:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68271-1
SDG: Eddy County New Mexico

Client Sample ID: SW-6 (4')

Lab Sample ID: 880-68271-11

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/17/26 22:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130				02/15/26 18:06	02/17/26 22:42	1
o-Terphenyl (Surr)	120		70 - 130				02/15/26 18:06	02/17/26 22:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/17/26 14:00	1

Client Sample ID: SW-7 (4')

Lab Sample ID: 880-68271-12

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:55	02/18/26 04:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:55	02/18/26 04:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:55	02/18/26 04:05	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/16/26 11:55	02/18/26 04:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/16/26 11:55	02/18/26 04:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/16/26 11:55	02/18/26 04:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				02/16/26 11:55	02/18/26 04:05	1
1,4-Difluorobenzene (Surr)	89		70 - 130				02/16/26 11:55	02/18/26 04:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/18/26 04:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/17/26 22:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/15/26 18:06	02/17/26 22:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/15/26 18:06	02/17/26 22:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/15/26 18:06	02/17/26 22:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130				02/15/26 18:06	02/17/26 22:57	1
o-Terphenyl (Surr)	111		70 - 130				02/15/26 18:06	02/17/26 22:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.2		9.92		mg/Kg			02/17/26 14:16	1

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-68271-1

Project/Site: Populus Federal 3H Flare Fire (12.8.25)

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)
880-68271-1	CS-1 (4')	106	106
880-68271-1 MS	CS-1 (4')	101	89
880-68271-1 MSD	CS-1 (4')	121	92
880-68271-2	CS-2 (4')	119	115
880-68271-3	CS-3 (4')	126	98
880-68271-4	CS-4 (4')	112	96
880-68271-5	CS-5 (4')	131 S1+	110
880-68271-6	SW-1 (4')	136 S1+	121
880-68271-7	SW-2 (4')	122	110
880-68271-8	SW-3 (4')	125	107
880-68271-9	SW-4 (4')	126	112
880-68271-10	SW-5 (4')	137 S1+	119
880-68271-11	SW-6 (4')	118	114
880-68271-12	SW-7 (4')	113	89
LCS 880-131928/1-A	Lab Control Sample	115	101
LCSD 880-131928/2-A	Lab Control Sample Dup	115	96
MB 880-131928/5-A	Method Blank	252 S1+	136 S1+
MB 880-131957/5-A	Method Blank	203 S1+	109
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-68271-1	CS-1 (4')	116	128
880-68271-1 MS	CS-1 (4')	126	119
880-68271-1 MSD	CS-1 (4')	133 S1+	122
880-68271-2	CS-2 (4')	117	122
880-68271-3	CS-3 (4')	110	119
880-68271-4	CS-4 (4')	108	114
880-68271-5	CS-5 (4')	110	120
880-68271-6	SW-1 (4')	110	122
880-68271-7	SW-2 (4')	116	124
880-68271-8	SW-3 (4')	115	123
880-68271-9	SW-4 (4')	115	121
880-68271-10	SW-5 (4')	133 S1+	144 S1+
880-68271-11	SW-6 (4')	112	120
880-68271-12	SW-7 (4')	100	111
LCS 880-131835/2-A	Lab Control Sample	139 S1+	123
LCSD 880-131835/3-A	Lab Control Sample Dup	141 S1+	129
MB 880-131835/1-A	Method Blank	101	102
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68271-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-131928/5-A

Matrix: Solid

Analysis Batch: 132047

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 131928

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/17/26 22:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/17/26 22:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/17/26 22:22	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/16/26 11:55	02/17/26 22:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/26 11:55	02/17/26 22:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/16/26 11:55	02/17/26 22:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	252	S1+	70 - 130	02/16/26 11:55	02/17/26 22:22	1
1,4-Difluorobenzene (Surr)	136	S1+	70 - 130	02/16/26 11:55	02/17/26 22:22	1

Lab Sample ID: LCS 880-131928/1-A

Matrix: Solid

Analysis Batch: 132047

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 131928

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1153		mg/Kg		115	70 - 130
Toluene	0.100	0.1100		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.1062		mg/Kg		106	70 - 130
m,p-Xylenes	0.200	0.2372		mg/Kg		119	70 - 130
o-Xylene	0.100	0.1213		mg/Kg		121	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-131928/2-A

Matrix: Solid

Analysis Batch: 132047

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 131928

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1090		mg/Kg		109	70 - 130	6	35
Toluene	0.100	0.09669		mg/Kg		97	70 - 130	13	35
Ethylbenzene	0.100	0.1029		mg/Kg		103	70 - 130	3	35
m,p-Xylenes	0.200	0.2534		mg/Kg		127	70 - 130	7	35
o-Xylene	0.100	0.1304		mg/Kg		130	70 - 130	7	35

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

Lab Sample ID: 880-68271-1 MS

Matrix: Solid

Analysis Batch: 132047

Client Sample ID: CS-1 (4')

Prep Type: Total/NA

Prep Batch: 131928

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09036		mg/Kg		90	70 - 130
Toluene	<0.00200	U	0.100	0.08462		mg/Kg		85	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68271-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-68271-1 MS

Matrix: Solid

Analysis Batch: 132047

Client Sample ID: CS-1 (4')

Prep Type: Total/NA

Prep Batch: 131928

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.07579		mg/Kg		76	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1868		mg/Kg		93	70 - 130
o-Xylene	<0.00200	U	0.100	0.09451		mg/Kg		95	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-68271-1 MSD

Matrix: Solid

Analysis Batch: 132047

Client Sample ID: CS-1 (4')

Prep Type: Total/NA

Prep Batch: 131928

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1000		mg/Kg		100	70 - 130	10	35
Toluene	<0.00200	U	0.100	0.1019		mg/Kg		102	70 - 130	19	35
Ethylbenzene	<0.00200	U	0.100	0.08281		mg/Kg		83	70 - 130	9	35
m,p-Xylenes	<0.00399	U	0.200	0.1958		mg/Kg		98	70 - 130	5	35
o-Xylene	<0.00200	U	0.100	0.1052		mg/Kg		105	70 - 130	11	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: MB 880-131957/5-A

Matrix: Solid

Analysis Batch: 132047

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 131957

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/26 13:31	02/17/26 10:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/26 13:31	02/17/26 10:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/26 13:31	02/17/26 10:43	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/16/26 13:31	02/17/26 10:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/26 13:31	02/17/26 10:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/16/26 13:31	02/17/26 10:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	203	S1+	70 - 130	02/16/26 13:31	02/17/26 10:43	1
1,4-Difluorobenzene (Surr)	109		70 - 130	02/16/26 13:31	02/17/26 10:43	1

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

Lab Sample ID: MB 880-131835/1-A

Matrix: Solid

Analysis Batch: 132022

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 131835

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/17/26 18:53	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources

Job ID: 880-68271-1

Project/Site: Populus Federal 3H Flare Fire (12.8.25)

SDG: Eddy County New Mexico

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

Lab Sample ID: MB 880-131835/1-A

Matrix: Solid

Analysis Batch: 132022

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 131835

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/17/26 18:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 18:06	02/17/26 18:53	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130				02/15/26 18:06	02/17/26 18:53	1
o-Terphenyl (Surr)	102		70 - 130				02/15/26 18:06	02/17/26 18:53	1

Lab Sample ID: LCS 880-131835/2-A

Matrix: Solid

Analysis Batch: 132022

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 131835

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1011		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1091		mg/Kg		109	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	139	S1+	70 - 130				
o-Terphenyl (Surr)	123		70 - 130				

Lab Sample ID: LCSD 880-131835/3-A

Matrix: Solid

Analysis Batch: 132022

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 131835

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	992.6		mg/Kg		99	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1141		mg/Kg		114	70 - 130	5	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	141	S1+	70 - 130						
o-Terphenyl (Surr)	129		70 - 130						

Lab Sample ID: 880-68271-1 MS

Matrix: Solid

Analysis Batch: 132022

Client Sample ID: CS-1 (4')

Prep Type: Total/NA

Prep Batch: 131835

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	999	1057		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U	999	986.8		mg/Kg		99	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane (Surr)	126		70 - 130						
o-Terphenyl (Surr)	119		70 - 130						

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68271-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-68271-1 MSD

Matrix: Solid

Analysis Batch: 132022

Client Sample ID: CS-1 (4')

Prep Type: Total/NA

Prep Batch: 131835

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	999	1037		mg/Kg		104	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.1	U	999	959.4		mg/Kg		96	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	133	S1+	70 - 130								
o-Terphenyl (Surr)	122		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-131979/1-A

Matrix: Solid

Analysis Batch: 131998

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/17/26 09:06	1

Lab Sample ID: LCS 880-131979/2-A

Matrix: Solid

Analysis Batch: 131998

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	227.5		mg/Kg		91	90 - 110

Lab Sample ID: LCSD 880-131979/3-A

Matrix: Solid

Analysis Batch: 131998

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	228.6		mg/Kg		91	90 - 110	0	20

Lab Sample ID: 880-68269-A-1-C MS

Matrix: Solid

Analysis Batch: 131998

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	11.9		250	247.2		mg/Kg		94	90 - 110

Lab Sample ID: 880-68269-A-1-D MSD

Matrix: Solid

Analysis Batch: 131998

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	11.9		250	247.1		mg/Kg		94	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources

Job ID: 880-68271-1

Project/Site: Populus Federal 3H Flare Fire (12.8.25)

SDG: Eddy County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-131980/1-A

Matrix: Solid

Analysis Batch: 132007

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/17/26 10:36	1

Lab Sample ID: LCS 880-131980/2-A

Matrix: Solid

Analysis Batch: 132007

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

Lab Sample ID: LCSD 880-131980/3-A

Matrix: Solid

Analysis Batch: 132007

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

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

Lab Sample ID: 880-68271-7 MS

Matrix: Solid

Analysis Batch: 132007

Client Sample ID: SW-2 (4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	52.1		251	293.9		mg/Kg		97	90 - 110

Lab Sample ID: 880-68271-7 MSD

Matrix: Solid

Analysis Batch: 132007

Client Sample ID: SW-2 (4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	52.1		251	293.6		mg/Kg		96	90 - 110	0	20

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QC Association Summary

Client: Carmona Resources

Job ID: 880-68271-1

Project/Site: Populus Federal 3H Flare Fire (12.8.25)

SDG: Eddy County New Mexico

GC VOA

Prep Batch: 131928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68271-1	CS-1 (4')	Total/NA	Solid	5035	
880-68271-2	CS-2 (4')	Total/NA	Solid	5035	
880-68271-3	CS-3 (4')	Total/NA	Solid	5035	
880-68271-4	CS-4 (4')	Total/NA	Solid	5035	
880-68271-5	CS-5 (4')	Total/NA	Solid	5035	
880-68271-6	SW-1 (4')	Total/NA	Solid	5035	
880-68271-7	SW-2 (4')	Total/NA	Solid	5035	
880-68271-8	SW-3 (4')	Total/NA	Solid	5035	
880-68271-9	SW-4 (4')	Total/NA	Solid	5035	
880-68271-10	SW-5 (4')	Total/NA	Solid	5035	
880-68271-11	SW-6 (4')	Total/NA	Solid	5035	
880-68271-12	SW-7 (4')	Total/NA	Solid	5035	
MB 880-131928/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-131928/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-131928/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-68271-1 MS	CS-1 (4')	Total/NA	Solid	5035	
880-68271-1 MSD	CS-1 (4')	Total/NA	Solid	5035	

Prep Batch: 131957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-131957/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 132047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68271-1	CS-1 (4')	Total/NA	Solid	8021B	131928
880-68271-2	CS-2 (4')	Total/NA	Solid	8021B	131928
880-68271-3	CS-3 (4')	Total/NA	Solid	8021B	131928
880-68271-4	CS-4 (4')	Total/NA	Solid	8021B	131928
880-68271-5	CS-5 (4')	Total/NA	Solid	8021B	131928
880-68271-6	SW-1 (4')	Total/NA	Solid	8021B	131928
880-68271-7	SW-2 (4')	Total/NA	Solid	8021B	131928
880-68271-8	SW-3 (4')	Total/NA	Solid	8021B	131928
880-68271-9	SW-4 (4')	Total/NA	Solid	8021B	131928
880-68271-10	SW-5 (4')	Total/NA	Solid	8021B	131928
880-68271-11	SW-6 (4')	Total/NA	Solid	8021B	131928
880-68271-12	SW-7 (4')	Total/NA	Solid	8021B	131928
MB 880-131928/5-A	Method Blank	Total/NA	Solid	8021B	131928
MB 880-131957/5-A	Method Blank	Total/NA	Solid	8021B	131957
LCS 880-131928/1-A	Lab Control Sample	Total/NA	Solid	8021B	131928
LCSD 880-131928/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	131928
880-68271-1 MS	CS-1 (4')	Total/NA	Solid	8021B	131928
880-68271-1 MSD	CS-1 (4')	Total/NA	Solid	8021B	131928

Analysis Batch: 132220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68271-1	CS-1 (4')	Total/NA	Solid	Total BTEX	
880-68271-2	CS-2 (4')	Total/NA	Solid	Total BTEX	
880-68271-3	CS-3 (4')	Total/NA	Solid	Total BTEX	
880-68271-4	CS-4 (4')	Total/NA	Solid	Total BTEX	
880-68271-5	CS-5 (4')	Total/NA	Solid	Total BTEX	
880-68271-6	SW-1 (4')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68271-1
SDG: Eddy County New Mexico

GC VOA (Continued)

Analysis Batch: 132220 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68271-7	SW-2 (4')	Total/NA	Solid	Total BTEX	
880-68271-8	SW-3 (4')	Total/NA	Solid	Total BTEX	
880-68271-9	SW-4 (4')	Total/NA	Solid	Total BTEX	
880-68271-10	SW-5 (4')	Total/NA	Solid	Total BTEX	
880-68271-11	SW-6 (4')	Total/NA	Solid	Total BTEX	
880-68271-12	SW-7 (4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 131835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68271-1	CS-1 (4')	Total/NA	Solid	8015NM Prep	
880-68271-2	CS-2 (4')	Total/NA	Solid	8015NM Prep	
880-68271-3	CS-3 (4')	Total/NA	Solid	8015NM Prep	
880-68271-4	CS-4 (4')	Total/NA	Solid	8015NM Prep	
880-68271-5	CS-5 (4')	Total/NA	Solid	8015NM Prep	
880-68271-6	SW-1 (4')	Total/NA	Solid	8015NM Prep	
880-68271-7	SW-2 (4')	Total/NA	Solid	8015NM Prep	
880-68271-8	SW-3 (4')	Total/NA	Solid	8015NM Prep	
880-68271-9	SW-4 (4')	Total/NA	Solid	8015NM Prep	
880-68271-10	SW-5 (4')	Total/NA	Solid	8015NM Prep	
880-68271-11	SW-6 (4')	Total/NA	Solid	8015NM Prep	
880-68271-12	SW-7 (4')	Total/NA	Solid	8015NM Prep	
MB 880-131835/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-131835/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-131835/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-68271-1 MS	CS-1 (4')	Total/NA	Solid	8015NM Prep	
880-68271-1 MSD	CS-1 (4')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 132022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68271-1	CS-1 (4')	Total/NA	Solid	8015B NM	131835
880-68271-2	CS-2 (4')	Total/NA	Solid	8015B NM	131835
880-68271-3	CS-3 (4')	Total/NA	Solid	8015B NM	131835
880-68271-4	CS-4 (4')	Total/NA	Solid	8015B NM	131835
880-68271-5	CS-5 (4')	Total/NA	Solid	8015B NM	131835
880-68271-6	SW-1 (4')	Total/NA	Solid	8015B NM	131835
880-68271-7	SW-2 (4')	Total/NA	Solid	8015B NM	131835
880-68271-8	SW-3 (4')	Total/NA	Solid	8015B NM	131835
880-68271-9	SW-4 (4')	Total/NA	Solid	8015B NM	131835
880-68271-10	SW-5 (4')	Total/NA	Solid	8015B NM	131835
880-68271-11	SW-6 (4')	Total/NA	Solid	8015B NM	131835
880-68271-12	SW-7 (4')	Total/NA	Solid	8015B NM	131835
MB 880-131835/1-A	Method Blank	Total/NA	Solid	8015B NM	131835
LCS 880-131835/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	131835
LCSD 880-131835/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	131835
880-68271-1 MS	CS-1 (4')	Total/NA	Solid	8015B NM	131835
880-68271-1 MSD	CS-1 (4')	Total/NA	Solid	8015B NM	131835

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68271-1
 SDG: Eddy County New Mexico

GC Semi VOA

Analysis Batch: 132202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68271-1	CS-1 (4')	Total/NA	Solid	8015 NM	
880-68271-2	CS-2 (4')	Total/NA	Solid	8015 NM	
880-68271-3	CS-3 (4')	Total/NA	Solid	8015 NM	
880-68271-4	CS-4 (4')	Total/NA	Solid	8015 NM	
880-68271-5	CS-5 (4')	Total/NA	Solid	8015 NM	
880-68271-6	SW-1 (4')	Total/NA	Solid	8015 NM	
880-68271-7	SW-2 (4')	Total/NA	Solid	8015 NM	
880-68271-8	SW-3 (4')	Total/NA	Solid	8015 NM	
880-68271-9	SW-4 (4')	Total/NA	Solid	8015 NM	
880-68271-10	SW-5 (4')	Total/NA	Solid	8015 NM	
880-68271-11	SW-6 (4')	Total/NA	Solid	8015 NM	
880-68271-12	SW-7 (4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 131979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68271-1	CS-1 (4')	Soluble	Solid	DI Leach	
880-68271-2	CS-2 (4')	Soluble	Solid	DI Leach	
880-68271-3	CS-3 (4')	Soluble	Solid	DI Leach	
880-68271-4	CS-4 (4')	Soluble	Solid	DI Leach	
880-68271-5	CS-5 (4')	Soluble	Solid	DI Leach	
880-68271-6	SW-1 (4')	Soluble	Solid	DI Leach	
MB 880-131979/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-131979/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-131979/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-68269-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-68269-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 131980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68271-7	SW-2 (4')	Soluble	Solid	DI Leach	
880-68271-8	SW-3 (4')	Soluble	Solid	DI Leach	
880-68271-9	SW-4 (4')	Soluble	Solid	DI Leach	
880-68271-10	SW-5 (4')	Soluble	Solid	DI Leach	
880-68271-11	SW-6 (4')	Soluble	Solid	DI Leach	
880-68271-12	SW-7 (4')	Soluble	Solid	DI Leach	
MB 880-131980/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-131980/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-131980/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-68271-7 MS	SW-2 (4')	Soluble	Solid	DI Leach	
880-68271-7 MSD	SW-2 (4')	Soluble	Solid	DI Leach	

Analysis Batch: 131998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68271-1	CS-1 (4')	Soluble	Solid	300.0	131979
880-68271-2	CS-2 (4')	Soluble	Solid	300.0	131979
880-68271-3	CS-3 (4')	Soluble	Solid	300.0	131979
880-68271-4	CS-4 (4')	Soluble	Solid	300.0	131979
880-68271-5	CS-5 (4')	Soluble	Solid	300.0	131979
880-68271-6	SW-1 (4')	Soluble	Solid	300.0	131979

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QC Association Summary

Client: Carmona Resources

Job ID: 880-68271-1

Project/Site: Populus Federal 3H Flare Fire (12.8.25)

SDG: Eddy County New Mexico

HPLC/IC (Continued)

Analysis Batch: 131998 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-131979/1-A	Method Blank	Soluble	Solid	300.0	131979
LCS 880-131979/2-A	Lab Control Sample	Soluble	Solid	300.0	131979
LCSD 880-131979/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	131979
880-68269-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	131979
880-68269-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	131979

Analysis Batch: 132007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68271-7	SW-2 (4')	Soluble	Solid	300.0	131980
880-68271-8	SW-3 (4')	Soluble	Solid	300.0	131980
880-68271-9	SW-4 (4')	Soluble	Solid	300.0	131980
880-68271-10	SW-5 (4')	Soluble	Solid	300.0	131980
880-68271-11	SW-6 (4')	Soluble	Solid	300.0	131980
880-68271-12	SW-7 (4')	Soluble	Solid	300.0	131980
MB 880-131980/1-A	Method Blank	Soluble	Solid	300.0	131980
LCS 880-131980/2-A	Lab Control Sample	Soluble	Solid	300.0	131980
LCSD 880-131980/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	131980
880-68271-7 MS	SW-2 (4')	Soluble	Solid	300.0	131980
880-68271-7 MSD	SW-2 (4')	Soluble	Solid	300.0	131980

Lab Chronicle

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68271-1
SDG: Eddy County New Mexico

Client Sample ID: CS-1 (4')

Lab Sample ID: 880-68271-1

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	131928	02/16/26 11:55	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132047	02/17/26 22:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132220	02/17/26 22:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			132202	02/17/26 19:36	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	131835	02/15/26 18:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132022	02/17/26 19:36	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	131979	02/16/26 14:26	SA	EET MID
Soluble	Analysis	300.0		1			131998	02/17/26 13:26	CS	EET MID

Client Sample ID: CS-2 (4')

Lab Sample ID: 880-68271-2

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	131928	02/16/26 11:55	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132047	02/17/26 23:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132220	02/17/26 23:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			132202	02/17/26 20:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	131835	02/15/26 18:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132022	02/17/26 20:18	SA	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	131979	02/16/26 14:26	SA	EET MID
Soluble	Analysis	300.0		1			131998	02/17/26 13:43	CS	EET MID

Client Sample ID: CS-3 (4')

Lab Sample ID: 880-68271-3

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	131928	02/16/26 11:55	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132047	02/17/26 23:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132220	02/17/26 23:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			132202	02/17/26 20:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131835	02/15/26 18:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132022	02/17/26 20:33	SA	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	131979	02/16/26 14:26	SA	EET MID
Soluble	Analysis	300.0		1			131998	02/17/26 13:49	CS	EET MID

Client Sample ID: CS-4 (4')

Lab Sample ID: 880-68271-4

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	131928	02/16/26 11:55	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132047	02/17/26 23:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132220	02/17/26 23:52	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68271-1
SDG: Eddy County New Mexico

Client Sample ID: CS-4 (4')

Lab Sample ID: 880-68271-4

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			132202	02/17/26 20:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	131835	02/15/26 18:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132022	02/17/26 20:47	SA	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	131979	02/16/26 14:26	SA	EET MID
Soluble	Analysis	300.0		1			131998	02/17/26 13:54	CS	EET MID

Client Sample ID: CS-5 (4')

Lab Sample ID: 880-68271-5

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	131928	02/16/26 11:55	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132047	02/18/26 00:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132220	02/18/26 00:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			132202	02/17/26 21:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	131835	02/15/26 18:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132022	02/17/26 21:02	SA	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	131979	02/16/26 14:26	SA	EET MID
Soluble	Analysis	300.0		1			131998	02/17/26 14:00	CS	EET MID

Client Sample ID: SW-1 (4')

Lab Sample ID: 880-68271-6

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	131928	02/16/26 11:55	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132047	02/18/26 00:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132220	02/18/26 00:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			132202	02/17/26 21:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131835	02/15/26 18:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132022	02/17/26 21:16	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	131979	02/16/26 14:26	SA	EET MID
Soluble	Analysis	300.0		1			131998	02/17/26 14:05	CS	EET MID

Client Sample ID: SW-2 (4')

Lab Sample ID: 880-68271-7

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	131928	02/16/26 11:55	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132047	02/18/26 00:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132220	02/18/26 00:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			132202	02/17/26 21:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	131835	02/15/26 18:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132022	02/17/26 21:31	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68271-1
SDG: Eddy County New Mexico

Client Sample ID: SW-2 (4')

Date Collected: 02/11/26 00:00

Date Received: 02/13/26 15:10

Lab Sample ID: 880-68271-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	131980	02/16/26 14:29	SA	EET MID
Soluble	Analysis	300.0		1			132007	02/17/26 13:28	CS	EET MID

Client Sample ID: SW-3 (4')

Date Collected: 02/11/26 00:00

Date Received: 02/13/26 15:10

Lab Sample ID: 880-68271-8

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			4.99 g	5 mL	131928	02/16/26 11:55	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132047	02/18/26 01:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132220	02/18/26 01:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			132202	02/17/26 21:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	131835	02/15/26 18:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132022	02/17/26 21:44	SA	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	131980	02/16/26 14:29	SA	EET MID
Soluble	Analysis	300.0		1			132007	02/17/26 13:44	CS	EET MID

Client Sample ID: SW-4 (4')

Date Collected: 02/11/26 00:00

Date Received: 02/13/26 15:10

Lab Sample ID: 880-68271-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	131928	02/16/26 11:55	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132047	02/18/26 01:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132220	02/18/26 01:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			132202	02/17/26 21:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10.00 mL	131835	02/15/26 18:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132022	02/17/26 21:59	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	131980	02/16/26 14:29	SA	EET MID
Soluble	Analysis	300.0		1			132007	02/17/26 13:49	CS	EET MID

Client Sample ID: SW-5 (4')

Date Collected: 02/11/26 00:00

Date Received: 02/13/26 15:10

Lab Sample ID: 880-68271-10

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	131928	02/16/26 11:55	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132047	02/18/26 01:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132220	02/18/26 01:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			132202	02/17/26 22:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131835	02/15/26 18:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132022	02/17/26 22:13	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	131980	02/16/26 14:29	SA	EET MID
Soluble	Analysis	300.0		1			132007	02/17/26 13:55	CS	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68271-1
SDG: Eddy County New Mexico

Client Sample ID: SW-6 (4')
Date Collected: 02/11/26 00:00
Date Received: 02/13/26 15:10

Lab Sample ID: 880-68271-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	131928	02/16/26 11:55	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132047	02/18/26 03:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132220	02/18/26 03:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			132202	02/17/26 22:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131835	02/15/26 18:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132022	02/17/26 22:42	SA	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	131980	02/16/26 14:29	SA	EET MID
Soluble	Analysis	300.0		1			132007	02/17/26 14:00	CS	EET MID

Client Sample ID: SW-7 (4')
Date Collected: 02/11/26 00:00
Date Received: 02/13/26 15:10

Lab Sample ID: 880-68271-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	131928	02/16/26 11:55	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132047	02/18/26 04:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132220	02/18/26 04:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			132202	02/17/26 22:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	131835	02/15/26 18:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132022	02/17/26 22:57	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	131980	02/16/26 14:29	SA	EET MID
Soluble	Analysis	300.0		1			132007	02/17/26 14:16	CS	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68271-1
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

Job ID: 880-68271-1

Project/Site: Populus Federal 3H Flare Fire (12.8.25)

SDG: Eddy County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68271-1
SDG: Eddy County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-68271-1	CS-1 (4')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68271-2	CS-2 (4')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68271-3	CS-3 (4')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68271-4	CS-4 (4')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68271-5	CS-5 (4')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68271-6	SW-1 (4')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68271-7	SW-2 (4')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68271-8	SW-3 (4')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68271-9	SW-4 (4')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68271-10	SW-5 (4')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68271-11	SW-6 (4')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico
880-68271-12	SW-7 (4')	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico





880-68271 Chain of Custody

Chain of Custody

Page 1 of 2

Project Manager: Conner Moehring		Bill to: (if different)		Carmona Resources	
Company Name: Carmona Resources		Company Name:			
Address: 310 W Wall St Ste 500		Address:			
City, State ZIP: Midland, TX 79701		City, State ZIP:			
Phone: 432-813-6823		Email: mcarmona@carmonaresources.com			
Project Name: Populus Federal 3H Flare Fire (12.8.25)		Turn Around		Pres. Code	
Project Number: 3105		☐ Routine ☒ Rush			
Project Location: Eddy County, New Mexico		Due Date: 72 Hour TAT			
Sampler's Name: JM					
PO #:					
SAMPLE RECEIPT Received Intact: ☒ Yes ☐ No Cooler Custody Seals: Yes ☐ No ☒ N/A Sample Custody Seals: Yes ☐ No ☒ N/A Total Containers:		Temp Blank: ☒ Yes ☐ No Thermometer ID: Correction Factor: Temperature Reading: Corrected Temperature:		Wet Ice: ☒ Yes ☐ No 12.8 -0.2 -5.8 -10.0	
ANALYSIS REQUEST Parameters Pres. Code # of Cont		BTEX 80218 TPH 8015M (GRO + DRO + MRO) Chloride 300.0		ANALYSIS REQUEST Preservative Codes None: NO DI Water: H ₂ O Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
Sample Identification Date Time Soil Water Grab/Comp # of Cont		Date Time Soil Water Grab/Comp # of Cont		Sample Comments	
CS-1 (4')		2/1/2026			
CS-2 (4')		2/1/2026			
CS-3 (4')		2/1/2026			
CS-4 (4')		2/1/2026			
CS-5 (4')		2/1/2026			
SW-1 (4')		2/1/2026			
SW-2 (4')		2/1/2026			
SW-3 (4')		2/1/2026			
SW-4 (4')		2/1/2026			
SW-5 (4')		2/1/2026			

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	<i>Mike Carmona</i>	2/13/2026
		2-13-26 1510

Work Order No:

Page 2 of 2

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	2/13/2014		2.13.20 1510

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-68271-1

SDG Number: Eddy County New Mexico

Login Number: 68271

List Number: 1

Creator: Dyal, Erica

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/18/2026 4:17:51 PM

JOB DESCRIPTION

Populus Federal 3H Flare Fire (12.8.25)
Eddy County New Mexico

JOB NUMBER

880-68269-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
2/18/2026 4:17:51 PM

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

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Laboratory Job ID: 880-68269-1
SDG: Eddy County New Mexico

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Definitions/Glossary

Client: Carmona Resources

Job ID: 880-68269-1

Project/Site: Populus Federal 3H Flare Fire (12.8.25)

SDG: Eddy County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

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Case Narrative

Client: Carmona Resources
Project: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68269-1

Job ID: 880-68269-1

Eurofins Midland

Job Narrative 880-68269-1

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

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

Receipt

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

GC VOA

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

Method 8021B: Surrogate recovery for the following samples were outside control limits: Backfill (880-68269-1), (880-68275-A-1-E), (880-68275-A-1-C MS) and (880-68275-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015B NM: The surrogate recovery for the blank associated with preparation batch 880-131834 and analytical batch 880-132065 was outside the upper control limits.

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

HPLC/IC

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: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68269-1
SDG: Eddy County New Mexico

Client Sample ID: Backfill

Lab Sample ID: 880-68269-1

Date Collected: 02/11/26 00:00

Matrix: Solid

Date Received: 02/13/26 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/18/26 11:38	02/18/26 13:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/18/26 11:38	02/18/26 13:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/18/26 11:38	02/18/26 13:45	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/18/26 11:38	02/18/26 13:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/18/26 11:38	02/18/26 13:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/18/26 11:38	02/18/26 13:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130	02/18/26 11:38	02/18/26 13:45	1
1,4-Difluorobenzene (Surr)	89		70 - 130	02/18/26 11:38	02/18/26 13:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/18/26 13:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/18/26 05:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/18/26 05:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/18/26 05:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/18/26 05:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130	02/15/26 18:00	02/18/26 05:24	1
o-Terphenyl (Surr)	109		70 - 130	02/15/26 18:00	02/18/26 05:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.9		10.0		mg/Kg			02/17/26 13:03	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68269-1
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)
880-68269-1	Backfill	140 S1+	89
880-68275-A-1-C MS	Matrix Spike	137 S1+	84
880-68275-A-1-D MSD	Matrix Spike Duplicate	132 S1+	83
LCS 880-132225/1-A	Lab Control Sample	101	81
LCSD 880-132225/2-A	Lab Control Sample Dup	99	85
MB 880-132225/5-A	Method Blank	127	84
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-68265-A-11-B MS	Matrix Spike	103	107
880-68265-A-11-C MSD	Matrix Spike Duplicate	119	122
880-68269-1	Backfill	110	109
LCS 880-131834/2-A	Lab Control Sample	122	127
LCSD 880-131834/3-A	Lab Control Sample Dup	103	108
MB 880-131834/1-A	Method Blank	134 S1+	141 S1+
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68269-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-132225/5-A

Matrix: Solid

Analysis Batch: 132162

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 132225

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

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

Lab Sample ID: LCS 880-132225/1-A

Matrix: Solid

Analysis Batch: 132162

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 132225

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

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

Lab Sample ID: LCSD 880-132225/2-A

Matrix: Solid

Analysis Batch: 132162

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 132225

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

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

Lab Sample ID: 880-68275-A-1-C MS

Matrix: Solid

Analysis Batch: 132162

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 132225

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

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68269-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-68275-A-1-C MS

Matrix: Solid

Analysis Batch: 132162

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 132225

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

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

Lab Sample ID: 880-68275-A-1-D MSD

Matrix: Solid

Analysis Batch: 132162

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 132225

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

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

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

Lab Sample ID: MB 880-131834/1-A

Matrix: Solid

Analysis Batch: 132065

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 131834

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/17/26 23:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/17/26 23:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 18:00	02/17/26 23:06	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	134	S1+	70 - 130	02/15/26 18:00	02/17/26 23:06	1
o-Terphenyl (Surr)	141	S1+	70 - 130	02/15/26 18:00	02/17/26 23:06	1

Lab Sample ID: LCS 880-131834/2-A

Matrix: Solid

Analysis Batch: 132065

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 131834

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1280		mg/Kg		128	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1192		mg/Kg		119	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68269-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCS 880-131834/2-A

Matrix: Solid

Analysis Batch: 132065

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 131834

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	122		70 - 130
o-Terphenyl (Surr)	127		70 - 130

Lab Sample ID: LCSD 880-131834/3-A

Matrix: Solid

Analysis Batch: 132065

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 131834

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1066		mg/Kg		107	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	1000	1021		mg/Kg		102	70 - 130	15	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	103		70 - 130
o-Terphenyl (Surr)	108		70 - 130

Lab Sample ID: 880-68265-A-11-B MS

Matrix: Solid

Analysis Batch: 132065

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 131834

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	979.2		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	929.0		mg/Kg		93	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	103		70 - 130
o-Terphenyl (Surr)	107		70 - 130

Lab Sample ID: 880-68265-A-11-C MSD

Matrix: Solid

Analysis Batch: 132065

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 131834

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1168		mg/Kg		117	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1093		mg/Kg		109	70 - 130	16	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	119		70 - 130
o-Terphenyl (Surr)	122		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68269-1
SDG: Eddy County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-131979/1-A

Matrix: Solid

Analysis Batch: 131998

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/17/26 09:06	1

Lab Sample ID: LCS 880-131979/2-A

Matrix: Solid

Analysis Batch: 131998

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	227.5		mg/Kg		91	90 - 110

Lab Sample ID: LCSD 880-131979/3-A

Matrix: Solid

Analysis Batch: 131998

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	228.6		mg/Kg		91	90 - 110	0	20

Lab Sample ID: 880-68269-1 MS

Matrix: Solid

Analysis Batch: 131998

Client Sample ID: Backfill

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	11.9		250	247.2		mg/Kg		94	90 - 110

Lab Sample ID: 880-68269-1 MSD

Matrix: Solid

Analysis Batch: 131998

Client Sample ID: Backfill

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	11.9		250	247.1		mg/Kg		94	90 - 110	0	20

QC Association Summary

Client: Carmona Resources

Job ID: 880-68269-1

Project/Site: Populus Federal 3H Flare Fire (12.8.25)

SDG: Eddy County New Mexico

GC VOA

Analysis Batch: 132162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68269-1	Backfill	Total/NA	Solid	8021B	132225
MB 880-132225/5-A	Method Blank	Total/NA	Solid	8021B	132225
LCS 880-132225/1-A	Lab Control Sample	Total/NA	Solid	8021B	132225
LCSD 880-132225/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	132225
880-68275-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	132225
880-68275-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	132225

Prep Batch: 132225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68269-1	Backfill	Total/NA	Solid	5035	
MB 880-132225/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-132225/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-132225/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-68275-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-68275-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 132284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68269-1	Backfill	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 131834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68269-1	Backfill	Total/NA	Solid	8015NM Prep	
MB 880-131834/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-131834/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-131834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-68265-A-11-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-68265-A-11-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 132065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68269-1	Backfill	Total/NA	Solid	8015B NM	131834
MB 880-131834/1-A	Method Blank	Total/NA	Solid	8015B NM	131834
LCS 880-131834/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	131834
LCSD 880-131834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	131834
880-68265-A-11-B MS	Matrix Spike	Total/NA	Solid	8015B NM	131834
880-68265-A-11-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	131834

Analysis Batch: 132213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68269-1	Backfill	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 131979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68269-1	Backfill	Soluble	Solid	DI Leach	
MB 880-131979/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-131979/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-131979/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources

Job ID: 880-68269-1

Project/Site: Populus Federal 3H Flare Fire (12.8.25)

SDG: Eddy County New Mexico

HPLC/IC (Continued)

Leach Batch: 131979 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68269-1 MS	Backfill	Soluble	Solid	DI Leach	
880-68269-1 MSD	Backfill	Soluble	Solid	DI Leach	

Analysis Batch: 131998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68269-1	Backfill	Soluble	Solid	300.0	131979
MB 880-131979/1-A	Method Blank	Soluble	Solid	300.0	131979
LCS 880-131979/2-A	Lab Control Sample	Soluble	Solid	300.0	131979
LCSD 880-131979/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	131979
880-68269-1 MS	Backfill	Soluble	Solid	300.0	131979
880-68269-1 MSD	Backfill	Soluble	Solid	300.0	131979

Lab Chronicle

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68269-1
SDG: Eddy County New Mexico

Client Sample ID: Backfill
Date Collected: 02/11/26 00:00
Date Received: 02/13/26 15:10

Lab Sample ID: 880-68269-1
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			4.97 g	5 mL	132225	02/18/26 11:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132162	02/18/26 13:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132284	02/18/26 13:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			132213	02/18/26 05:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131834	02/15/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132065	02/18/26 05:24	SA	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	131979	02/16/26 14:26	SA	EET MID
Soluble	Analysis	300.0		1			131998	02/17/26 13:03	CS	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68269-1
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

Job ID: 880-68269-1

Project/Site: Populus Federal 3H Flare Fire (12.8.25)

SDG: Eddy County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Populus Federal 3H Flare Fire (12.8.25)

Job ID: 880-68269-1
SDG: Eddy County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-68269-1	Backfill	Solid	02/11/26 00:00	02/13/26 15:10	New Mexico

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

0550507



880-68269 Chain of Custody

Page 1 of 1

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-68269-1

SDG Number: Eddy County New Mexico

Login Number: 68269

List Number: 1

Creator: Dyal, Erica

List Source: Eurofins Midland

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

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QUESTIONS

Action 614522

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 614522
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2534640862
Incident Name	NAPP2534640862 POPULUS FEDERAL 3H @ 30-015-43256
Incident Type	Fire
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-43256] POPULUS FEDERAL #003H

Location of Release Source

Please answer all the questions in this group.

Site Name	Populus Federal 3H
Date Release Discovered	12/08/2025
Surface Owner	Federal

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 Pipeline (Any) Crude Oil Released: 1 BBL Recovered: 0 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	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)	Flare Fire- No injuries. EMS not called. Fire extinguished immediately upon discovery.

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QUESTIONS, Page 2

Action 614522

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 614522
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jacqui Harris Title: Sr Environment Engineer Email: jacqui.harris@conocophillips.com Date: 08/14/2026
--	--

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QUESTIONS, Page 3

Action 614522

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 614522
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (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	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	1640
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	02/09/2026
On what date will (or did) the final sampling or liner inspection occur	02/11/2026
On what date will (or was) the remediation complete(d)	02/20/2026
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	450
What is the estimated volume (in cubic yards) that will be remediated	79

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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Action 614522

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 614522
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R360 Red Bluff
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	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>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jacqui Harris Title: Sr Environment Engineer Email: jacqui.harris@conocophillips.com Date: 08/14/2026
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 614522

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 614522
	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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QUESTIONS, Page 6

Action 614522

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 614522
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	551812
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/11/2026
What was the (estimated) number of samples that were to be gathered	7
What was the sampling surface area in square feet	450

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	450
What was the total volume (cubic yards) remediated	79
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
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Jacqui Harris Title: Sr Environment Engineer Email: jacqui.harris@conocophillips.com Date: 08/14/2026

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Action 614522

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 614522
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 614522

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 614522
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	8/17/2026